

**Madha Taluka Shikshan Prasarak Mandal's,
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare**

Institutional Calendar

(Academic Year: 2021-2022)

(Due to Covid-19 Pandemic, the academic calendar will be followed through online/offline mode as per the University Rules)

Month & Week	Administration	Curricular Activities	Examinations/ Evaluation	Extra/Co -curricular Activities	NSS & Cultural Activities
Jun-21					
First week	Preparation & Printing of Prospectus		Declaration of the results Part III Semester VI		Screening of students for admitting to the NSS/NCC
	Meeting of Admission Committee (Online)		Distribution of mark statements		
Second week	Distribution of prospectus and results				
	Opening of the College for new Academic Year A common meeting of faculty and Non-teaching Staff with Principal		Department wise result analysis	Preparation of Merit list	
Third week	Displaying Admission notices and norms for Admission process for Part III and Part II classes Admission process for F.Y.B.A., B. Com, B.Sc. classes Admissions to the different classes (Online)	Preparation of Online college Time-Table Distribution of Syllabus/ workload Individual Teaching plan Preparation Execution of Teaching as per plan		Notices to the students for all academic Details for 2021-22	
			Submission of the results to office	Death Anniversary of Late K. N. Bhise, Founder of the college Celebration of Rj. Chh. Shahu Jayanti on 26 th June	
Fourth Week				Anti-Drugs- Addiction Day on 26th June	
	A common meeting of faculty and Non-teaching Staff with Principal				
July 21			Declaration of the results Part I & II	Organization of the different academic activities like Birth Anniversary of the National leaders, celebration of the Different days of national importance	

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Institutional Calendar

(Academic Year: 2021-2022)

First week	Address by the Principal to the Students	Regular Teaching work Work Distribution through Committee Formation No Vehicle Day		Staff academy-Opening Ceremony Inaugurations of Short term courses	Circulation of notices to the students for admission in NSS/ NCC
Second week	Admission Process/ Filling of the Free ship and different types of the Scholarship forms	Regular Teaching work	Unit Tests	Celebration of Population Day on 11th July	
Third week		Monitoring of teaching & lecture notes	Home Assignments for the classes	Organization of the gusset lectures by the different committee and departments.	
Fourth Week	Collection of Free ship and Scholarship forms	Regular Teaching work			
Aug-21					Admission of the students to NSS. Entries for Yuva Mahotsav Preparation of students for Yuva Mahotsav
First week	Preparation and finalization of roll call	Regular Teaching work No Vehicle Day	Submission of University Examination Form	Organization of guest lectures on the occasion of Anna Bhau Sathe Jayanti and Lokmanya Tilak Death Anniversary	
	Notices regarding October examinations			Celebration of Independence Day on 15 th August	
Second week	Display of roll call on notice boards and distribution to departments	Monitoring of teaching & lecture notes		Celebration of 29 th Aug. Sports Day	
Third week	filling of the October forms	Regular Teaching work	Unit tests		
Fourth Week	Submission of eligibility forms of Part I classes				
Sep-21		IQAC Meeting			

**Madha Taluka Shikshan Prasarak Mandal's,
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare**

Institutional Calendar

(Academic Year: 2021-2022)

First week	Filling of the scholarship forms	Regular Teaching work		5 th Sept. Teachers Day	Regular Activities of NSS/NCC
Second week	Submission of the scholarship and EBC forms	Regular Teaching work		8 th Sept. Celebration of "Literacy Day" Week.	
				14 th Sept. celebration of Hindi Din	
		Regular Teaching work		Dr. Karmaveer Bhaurao Patil Birth anniversary on 22 nd Sept.	
Third week	Regular office work	Regular Teaching work			24 th Sept. NSS Day celebration
		Regular Teaching work			
Fourth Week	Regular office work	Regular Teaching work			Regular Activities of NSS
	Submission of the annual forms to the university for B.A./B.Com./B.Sc. I and II	IQAC Meeting No Vehicle Day		Conduction of Essay, Drawing, Elocution Rangoli-competitions 1 st Oct Blood donation Day	
Oct. 21			Conduction of Tset/ Home assignment oral and Seminar for B.A./B.Com/ B.Sc	2 nd Oct. Mahatma Gandhi Jayanti, Lal Bahadur Shastri Jayanti	Regular NSS/NC C activities
First week	Letters of Internal examination of Solapur University.	Regular Teaching work No Vehicle Day			
Second week	Regular office work				

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K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare**

Institutional Calendar

(Academic Year: 2021-2022)

				7 th Oct .Wild Life Day	
Third week	Regular office work				
Fourth Week	Regular office work		Start of Solapur University B.A./ B.Com / B.Sc. I and II/ Examination First Term End Diwali Vacation		
Nov-20		6 th Nov. 2017 Second Term Started	Solapur University B.A. B.Com / B.Sc. Examination for Students	4 th NovGurunanak Jayanti	
First week	Regular office work	No Vehicle Day		14 th Nov Bal Din , Pandit Jawaharlal Nehru Jayanti	
Second week	Regular office work				
Third week	Regular office work				

**Madha Taluka Shikshan Prasarak Mandal's,
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare**

Institutional Calendar

(Academic Year: 2021-2022)

Fourth week	Regular office work	Regular Teaching work			
Dec-21			Solapur University B. A. B.Com / B.Sc. Examination for Students	1st Dec. AIDS DAY Eid –a- Milad	NSS Special Camp Proposal submissi on to Universit y
First week	Regular office work	Regular Teaching work No Vehicle Day		AIDS Awareness Week	Regular NSS/NC C activities
Second week	Regular office work	IQAC Meeting	Solapur University B.A. B.Com / B.Sc. Examination for Students	3rd Dec. Handicapped Day	
Third week	Regular office work NAAC Peer Team Visit	Regular Teaching work		6th Dec. Dr. Babasaheb Ambedkar Mahaparinirvan Din	
Fourth week		Regular Teaching work		20th Dec. Sant Gadge Maharaj Anniversary	Regular NSS/NC C activities
				23rd Dec. Kisan Din, 25th Dec. Christmas	
				Parent teacher get together	

**Madha Taluka Shikshan Prasarak Mandal's,
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare**

Institutional Calendar

(Academic Year: 2021-2022)

January 2022		IQAC Meeting	Conduction of Home assignment for B.A./B.Com/B.Sc. B.Sc III		
First week	Regular office work	Regular Teaching work No Vehicle Day		3rd Jan. Savitribai Phule Jayanti	
				6th Jan. Patrakar Din	
Second week	Regular office work	Regular Teaching work	Declaration of Result B. A./ B. Com./B. Sc. I Semester - I	9th Jan. National Tourism Day	Regular NSS/NC C activities
				12th Jan. Swami Vivekanand Jayanti, National Youth Day	
				14th Jan. Geography Day Til Gul Day	
Third week	Notice for Exam forms for B.A./ B.com	Regular Teaching work	Declaration of Result B. A./ B. Com./B. Sc. III Semester - V		
Fourth week	Submission of the annual forms to the university for B.A./B.Com/B.Sc.I	IQAC Meeting	Submission of University Exam. Form	26th Jan. Republic Day, Wall Paper	
Feb. 22					
First week	Regular office work	Regular Teaching work No Vehicle Day	Conduction of Home assignment oral and Seminar for B.A./B.Com/ B.Sc III		Regular Activities of NSS/NC C
	Regular office work	IQAC Meeting	Unit Test		
Second	Regular office work	IQAC Meeting			

Madha Taluka Shikshan Prasarak Mandal's,
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare

Institutional Calendar

(Academic Year: 2021-2022)

week					
Third week	Regular office work	Regular Teaching work Gender Equality Week	Conduction of Home assignment oral and Group Project for B.A./B.Com/ B.Sc III		Regular Activities of NSS/NC C
		IQAC Meeting		17 th Feb. Vasudeo Balwant Phadake smrutidin	
	Regular office work	Regular Teaching work	Group Project for B.A./B.Com/ B.Sc III	19 th Feb. Chh. Shivaji Maharaja Jayanti	
Regular office work	Annual Spots Competition	21 st Feb. International Language Din.			
Fourth Week	Regular office work	Annual Prize Distribution Day		27 th Feb. Marathi Rajbasha Din	
	Regular office work			28 th Feb. Science Day, Science association lecture	
March 22					
First week	Regular office work	Regular Teaching work			Regular Activities of NSS/NC C
	Sanstha Audit	Regular Teaching work No Vehicle Day			
Second week	Regular office work	Regular Teaching work		8 th Mar. International Woman's Day.	
				10 th Mar Savitribai Phule Smrutidin	
Third week	Regular office work	Examination Work National Conferences IQAC Meeting	Start of University Examination for Semester for the repeater and regular students	23 rd March Shahid Din	
Fourth			Practical examination of B. Sc Part I,II and III	29 th Mahavir Jayanti 30 th Good Friday	

**Madha Taluka Shikshan Prasarak Mandal's,
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare**

Institutional Calendar

(Academic Year: 2021-2022)

Week	Regular office work	Examination Work Practical examination of B. Sc Part I,II and III	University Examination for Semester for the repeater and regular students	
April 22	Regular office work	Examination Work No Vehicle Day	University Examination for Semester for the repeater and regular students	5 th April Ocean resource Day
First week				
Second week	Regular office work			Examination Work Practical examination of B. Sc Part I and II
Third week	Regular office work	Examination Work Practical examination of B. Sc Part I and II	University Examination	
Fourth Week	Regular office work	Term End Meeting Examination Work	University Examination for Semester for the repeater and regular students	30 th April 2022-Last working day of academic year 21-22

K.N.Bhise Arts, Commerce and Vinaykrao Patil Science College, Vidyanagar Bhosare

ARTS & COMMERCE COLLEGE TIME TABLE (2021-2022)

Period No.	Time	Class	MON.	TUE.	WED.	TUR	FRI.	SAT.
1	8 to 8.48	B.A.I B.A..II B.A.III.	Mar. Div A Mar. Div B Hin / Eng. Eng/Mar/Hin Hist./Eco./Geo	Mar. Div A Mar. Div B Hin / Eng. Eng/Mar/Hin Hist./Eco./Geo	Mar. Div A Mar. Div B Hin / Eng. Eng/Mar/Hin Hist./Eco./Geo	Hin Div A Opt. Eng Hin Div B Hist. / Mar. Eng./Mar./Hin/ His./Eco./Geo.	Hin Div A Opt. Eng Hin Div B Hist. / Mar. Eng./Mar./Hin/ His./Eco./Geo.	Hin Div A Opt. Eng Hin Div B Hist. / Mar. Eng./Mar./Hin/ His./Eco./Geo.
		B.om.I B.com.II B.com.III	Eco. Banking ACC H	Eco. Banking ACC H	Eco. Banking ACC H	Eng. Stat Co-op. H	Eng. Stat Co-op. H	Eng. Stat Co-op. H
2	8.48 to 9.36	B.A.I B.A..II B.A.III.	Geo Div A Geo Div B Eco. / Geo. Eng/ Mar/ Hin Hist / Eco/ Geo	Geo Div A Geo Div B Eco. / Geo. Eng/ Mar/ Hin Hist / Eco/ Geo	Geo Div A Geo Div B Eco. / Geo. Eng/ Mar/ Hin Hist / Eco/ Geo	His. Div A His. Div B Eco. / Geo. Eng./Mar/Hin His./Eco/Geo	His. Div A His. Div B Eco. / Geo. Eng./Mar/Hin His./Eco/Geo	His. Div A His. Div B Eco. / Geo. Eng./Mar/Hin His./Eco/Geo
		B.om.I B.com.II B.com.III	ACC F.E. Eco. H	ACC F.E. Eco. H	ACC F.E. Eco. H	MAR ACC M. Law (BRF) H	MAR ACC M. Law (BRF) H	MAR ACC M. Law (BRF) H
3	9.36 to 10.24	B.A.I B.A..II B.A.III.	Eng.(Comp.) Div A Eng.(Comp.) Div B PA/GT/SR	Eng.(Comp.) Div A Eng.(Comp.) Div B PA/GT/SR	Eng.(Comp.) Div A Eng.(Comp.) Div B PA/GT/SR	STD.(Comp) Div A STD.(Comp) Div B Eng.(Comp.) Div A Eng.(Comp.) Div B Eng/Mar/Hin/ His/Eco/Geo	STD.(Comp) Div A STD.(Comp) Div B Eng.(Comp.) Div A Eng.(Comp.) Div B Eng/Mar/Hin/ His/Eco/Geo	STD.(Comp) Div A STD.(Comp) Div B Eng.(Comp.) Div A Eng.(Comp.) Div B Eng/Mar/Hin/ His/Eco/Geo
		B.om.I B.com.II B.com.III	Eng. (Comp.) Geo. Eco. MMP H	Eng (comp.) Geo Eco MMP	Eng (comp.) Geo Eco MMP	Eng (comp.) Geo Eco MMP ACC	Eng (comp.) Geo Eco MMP ACC	Eng (comp.) Geo Eco MMP ACC
10.24 To 10.35 Interval								
4	10.35 to 11.33	B.A.I B.A..II B.A.III.	Eco / (Pol Div A) His. / Mar Eng/Mar/Hin His/Eco/Geo.	Eco / (Pol Div A) His. / Mar Eng/Mar/Hin His/Eco/Geo.	Eco / (Pol Div A) His. / Mar Eng/Mar/Hin His/Eco/Geo.	Pol Div B Hin / Eng Eng/Mar/Hin/ His/Eco/Geo	Pol Div B Hin / Eng Eng/Mar/Hin/ His/Eco/Geo	Pol Div B Hin / Eng Eng. (Cimp)
		B.om.I B.com.II B.com.III	Eco. ACC M.Law (BRF) H	ACC Eco MMP H	Geo. Bank. ACC H	Mar. Eng. ACC H	Eng. FE. Eco. H	PBM Stat. Co-op. H

K.N.Bhise Arts, Commerce and Vinaykrao Patil Science College, Vidyanagar Bhosare
ARTS & COMMERCE COLLEGE TIME TABLE (2021-2022)

Period No.	Time	Class	MON.	TUE.	WED.	TUR	FRI.	SAT.
5	11.33 to 12.21	B.A.I B.A..II B.A.III B.com.II	Eng.(Comp.) Div A Eng.(Comp.) Div B Pol / NCC Geo. (P) Envr.	STD.(Comp) Div A STD.(Comp) Div B Pol / NCC Geo. (P) Envr.	ECO Pol / NCC/ Geo. (P) Envr.	Hin Div A Hin Div B Pol / NCC Geo. (P)	His. Div A His. Div B Pol / NCC Geo. (P)	Geo. Div A Geo. Div B Pol / NCC Geo. (P)
6	12.21 to 01.07	B.A.I B.A..II B.A.III	Eng.(Opt.) Eco / Geo. Geo. (P)	NCC Pol / NCC Geo. (P)	NCC / Pol Div B Eco. / Geo. Geo. (P)	NCC Pol. Geo. (P)	NCC Mar. / His Geo. (P)	Mar Div A Mar Div B Mar. / His Geo. (P)
7	01.07 to 01.55	B.A.I B.A..II B.A.III	Geo. Eng. / Hin. --	Phy - Edu. Eng. / Hin	Phy - Edu. Eng.(Comp.) Div A Eng.(Comp.) Div B	Phy - Edu. PA/GT /SR	Phy - Edu. NCC	Pol Div A Envr.
8	1.55 to 2.43	B.A.I B.A..II B.A.III	Envr.	Envr.	Envr.	--	--	--

TEACHING STARTED FROM 1ST JULY 2019

R.R. Patil

Time Table Incharge

R.R. Patil

Principal
(Dr. R. R. Patil)

K. N. Bhise Arts, Comm. & Vinayakrao
Patil Science College,
Vidyanagar Bhosare, Dist. Solapur

Madha Taluka Shikshan Prasarak Mandal's
**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare**

1.1.1

The instruction ensure effective curriculum delivery through a well planned and documents process

Record of Departmental Meeting

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Sr. No.	Name of the subject	Sub-File Name	Page No.
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12	Botany		57
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Madha Taluka Shikshan Prasarak Mandal's,
K. N. Bhise Arts Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare


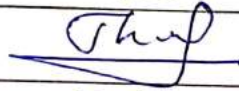

Department of English

2021-2022

Minutes of the Meeting

Date: 06/08/2021

The first meeting of the department was held on 06/08/2021 at 11.00 am in the department. The decisions were taken with the approval of all members following the suggestions of the Head of the department. Following members were present for the meeting.

Sr. No.	Name of the Teacher	Signature
1	Dr. Anupama Prakash Pol	
2	Dr. S. V. Londhe	
3	Prof. Vishvamath J. Vyavahare	
4		
5		

Minutes

All faculty members are welcomed by Dr. A. P. Pol; the Head of the department and following decisions are taken in the meeting.

1. Discussion on the syllabus: The syllabus of all faculties was discussed by all faculty members of the department. The problems regarding the syllabus were discussed and solved with the support of the Head of the department. The copy of syllabus was distributed to all faculty members of the department.
2. Distribution of Workload: The workload and timetable were discussed and finalized under the guidance of the Head of the department. The papers were allotted according to the norms of UGC and it was finalized by all faculty members of the department. The timetable was discussed with all faculty members and finalized.
3. Preparation of Academic plan: The Academic plan for the year 2021-2022 was discussed by all faculty members and it was finalized and approved by all. The departmental activities were discussed and the academic plan was prepared by all faculty members of the department under the guidance of the Head of the department.
4. Preparation of Teaching Plan: The teaching plan for the current year was prepared by all teachers with the support and guidance of the Head of the department.
5. Any other topics: As there were no other topics to discuss in the meeting, the meeting was ended by the Head of the department with vote of thanks.



Head, Department of English
SAC & VPS College, Bhosare.



**Madha Taluka Shikshan Prasarak Mandal's,
K. N. Bhise Arts Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare**

Department of English

2021-2022

Action Taken Report of the Meeting

Date: 06/08/2021

1. Discussion on the syllabus: The syllabus of all faculties was discussed by all faculty members of the department. The copy of syllabus was distributed to all faculty members of the department.
2. Distribution of Workload: The workload and timetable were discussed and finalized under the guidance of the Head of the department. The papers were allotted according to the norms of UGC and it was finalized by all faculty members of the department. The timetable was discussed with all faculty members and finalized.
3. Preparation of Academic plan: The Academic plan for the year 2021-2022 was prepared by all faculty members. The departmental activities were implemented according to the academic plan of the department under the guidance of the Head of the department.
4. Preparation of Teaching Plan: The teaching plan for the current year was prepared by all teachers with the support and guidance of the Head of the department.


Head, Department of English
KNBAC & VPS College, Bhosare.



Madha Taluka Shikshan Prasarak Mandal's,
K. N. Bhise Arts Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare

Department of English

2021-2022 (Semester I)



Notice of the Meeting

Date: 07/12/2021

All faculty members of the department are requested to attend the first meeting of this year on 08/12/2021 at 11.00 am in the department. We will discuss the following topics in the meeting.

Agenda

1. Discussion on the syllabus
2. Distribution of Workload
3. Preparation of Academic plan
4. Preparation of Teaching Plan
5. Any other topics

Sr. No.	Name of the Teacher	Signature
1	Dr. A. P. Patil	
2	Dr. S. V. Londhe	
3		
4		
5		


Head, Department of English
KNBAC & VPS College, Bhosare.

**Madha Taluka Shikshan Prasarak Mandal's,
K. N. Bhise Arts Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare**


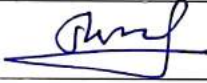
Department of English

2021-2022

Minutes of the Meeting

Date: 08/12/2021

The first meeting of the department was held on 08/12/2021 at 11.00 am in the department. The decisions were taken with the approval of all members following the suggestions of the Head of the department. Following members were present for the meeting.

Sr. No.	Name of the Teacher	Signature
1	Dr. A. P. Pol	
2	Dr. Sachin Londhe	
3		
4		
5		

Minutes

All faculty members are welcomed by Dr. A. P. Pol; the Head of the department and following decisions are taken in the meeting.

1. Discussion on the syllabus: The syllabus of all faculties was discussed by all faculty members of the department. The problems regarding the syllabus were discussed and solved with the support of the Head of the department. The copy of syllabus was distributed to all faculty members of the department.
2. Distribution of Workload: The workload and timetable was discussed and finalized under the guidance of the Head of the department. The papers were allotted according to the norms of UGC and it was finalized by all faculty members of the department. The timetable was discussed with all faculty members and finalized.
3. Preparation of Academic plan: The Academic plan for the year 2021-2022 was discussed by all faculty members and it was finalized and approved by all. The departmental activities were discussed and the academic plan was prepared by all faculty members of the department under the guidance of the Head of the department.
4. Preparation of Teaching Plan: The teaching plan for the current year was prepared by all teachers with the support and guidance of the Head of the department.
5. Any other topics: As there were no other topics to discuss in the meeting, the meeting was ended by the Head of the department with vote of thanks.

**Madha Taluka Shikshan Prasarak Mandal's,
K. N. Bhise Arts Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare**

Department of English

2021-2022

Action Taken Report of the Meeting

Date: 08/12/2021

1. Discussion on the syllabus: The syllabus of all faculties was discussed by all faculty members of the department. The copy of syllabus was distributed to all faculty members of the department.
2. Distribution of Workload: The workload and timetable were discussed and finalized under the guidance of the Head of the department. The papers were allotted according to the norms of UGC and it was finalized by all faculty members of the department. The timetable was discussed with all faculty members and finalized.
3. Preparation of Academic plan: The Academic plan for the year 2021-2022 was prepared and implemented by all faculty members. The departmental activities were implemented by all faculty members of the department under the guidance of the Head of the department.
4. Preparation of Teaching Plan: The teaching plan for the current year was prepared by all teachers with the support and guidance of the Head of the department.


Head, Department of English
KNEAC & VPS College, Bhosare.

Madha Taluka Shikshan Prasarak Mandal's,
K. N. Bhise Arts Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare

Department of English

2021-2022



Notice of the Meeting

Date: 23/04/2022

All faculty members of the department are requested to attend the second meeting of this year on 25/04/2022 at 11.00 am in the department. We will discuss the following topics in the meeting.

Agenda

1. Completion of the syllabus
2. Report of activities
3. Implementation of Certificate Courses
4. Any other topics

Sr. No.	Name of the Teacher	Signature
1	Dr. A. P. P. J.	
2	Dr. S. V. Londhe	
3		
4		
5		


Head, Department of English
KNBAC & VPS College, Bhosare.


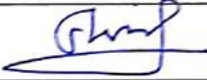
Department of English

2021-2022

Minutes of the Meeting

Date: 25/04/2022

The second meeting of the department was held on 25/04/2022 at 11.00 am in the department. The decisions were taken with the approval of all members following the suggestions of the Head of the department. Following members were present for the meeting.

Sr. No.	Name of the Teacher	Signature
1	Dr. A. P. Pol	
2	Dr. S. V. Londhe	
3		
4		
5		

Minutes

All faculty members are welcomed by Dr. A. P. Pol; the Head of the department and following decisions are taken in the meeting.

1. Completion of the syllabus: The syllabus of all faculties was completed by all faculty members of the department. The problems regarding the completion of the syllabus were discussed and solved with the support of the Head of the department. The completion report of syllabus was prepared and submitted to the Head of the department by all faculty members.
2. Report on Activities: The activities were organized according to the Academic plan of the year. The completion report of all activities was prepared and submitted to the Head of the department. The reports were approved by the Head of the department. It was decided that more curricular activities should be planned for the students by all faculty members of the department.
3. Implementation of Certificate Courses: The certificate courses of Spoken English, Functional English and Soft Skills were run by the department with the support and guidance of the Principal of the college and Head of the department.
4. Any other topics: As there were no other topics to discuss in the meeting, the meeting was ended by the Head of the department with vote of thanks.

Madha Taluka Shikshan Prasarak Mandal's,
K. N. Bhise Arts Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare

Department of English

2021-2022

Action Taken Report of the Meeting

Date: 25/04/2022

1. Completion of the syllabus: The syllabus of all faculties was completed by all faculty members of the department. The completion report of syllabus was prepared and submitted to the Head of the department by all faculty members.
2. Report on Activities: The activities were organized according to the Academic plan of the year. The completion report of all activities was prepared and submitted to the Head of the department.
3. Implementation of Certificate Courses: The certificate courses of Spoken English, Functional English and Soft Skills were run by the department with the support and guidance of the Principal of the college and Head of the department.


Head, Department of English
KNBAC & VPS College, Bhosare.

सूचना

हिंदी विभाग के सभी प्राध्यापकों को सूचित किया जाता है कि दि. 7 जुलाई 2021 को ठीक 10-30 बजे अपने विभाग में मिटिंग का आयोजन किया हुआ है। ठीक समय पर उपस्थित रहे।

विभागाध्यक्ष

M.S. Jaiswal

Head, Department of Hindi
KNBAC & VPS College Bhosara

प्रा. रोकडे आर.पी.

Annex

- चर्चा के विषय
- 1) वार्षिक नियोजन
 - 2) पाठ्यक्रम नियोजन
 - 3) परिवर्तित पाठ्यक्रम (BA-III)
 - 4) विभागांतर्गत कार्य क्रम
 - 5) हिंदी दिन समारोह के उपलक्ष्य में विशेष व्याख्याता

अहवाल

हिंदी विभाग में संपन्न दि. 1 अक्टूबर 2021 के मिटिंग में वार्षिक नियोजन पर चर्चा कर वार्षिक नियोजन तैयार किया गया।

पाठ्यक्रम नियोजन बनाया गया। B.A I, II, III पदम पेपर B.A III पेपर विशेष लेखक पे ~~पे~~ प्रयोजनमूलक हिंदी कुल पॉन पेपर डॉ. साहित्य मेंडम पढाएंगी और B.A II गद्य B.A III पे ~~पे~~ साहित्य का इतिहास और ~~श~~ भाषाविज्ञान पेपर ~~श~~ शेकडे सर पढाएंगे। यह निश्चित हुआ।

B.A III विशेष लेखक भगवानदास मेरवा पेपर ~~क्र. शा~~ के प्रतिनिधी कहानियों और शकुंतला उपन्यास इन परिवर्तित पाठ्यक्रम पर चर्चा हुई। संदर्भ साहित्य पर चर्चा हुई।

विभागांतर्गत कार्यक्रम के बारे में चर्चा हुई। 14 सितंबर 'हिंदी दिन' के उपलक्ष्य में चर्चा हुई। वकृत्व प्रश्नमंजुषा निबंध स्पर्धा लेना निश्चित हुआ। प्रमुख अनिधी के संदर्भ में चर्चा हुई।

विभागांतर्गत अभ्यासेतर कोर्स के बारे में चर्चा हुई। अपने हिंदी विभाग के अन्य महाविद्यालयों हिंदी विभाग के साथ सामंजस्य करार (MOU) के बारे में चर्चा हुई। दो महाविद्यालय के साथ MOU करना निश्चित हुआ।

हिंदी विभाग में संपन्न मिटिंग में दोनो उपस्थित रहे।

प्रा. भनिषा साठुबे
प्रा. शोहिदास बोके

Channel

M.S. Lhe

- हिंदी विभाग में संपन्न दि. 1 जुलाई 2021 में हुई विभागीय भिरिंग में निम्न कार्यवाही की गयी।
- 1) शैक्षणिक वर्ष 2021-22 का वार्षिक नियोजन किया गया।
 - 2) B.A.I, B.A.II और B.A.III का पाठ्यक्रम वितरण किया गया।
 - 3) परिवर्तित पाठ्यक्रम B.A.III विशेष लेखक भगवानदास मोरवाल के साहित्य परचर्चा हुई। ग्रंथालय में इसकी प्रतिनिधी कहानियों-पु प्रति, शकुंतिका-पु प्रति लाना निर्दिष्ट हुआ।
 - 4) 14 सितंबर 'हिंदी दिन' के उपलक्ष्य में प्रमुख व्याख्याता कला और वाणिज्य महाविद्यालय माडा के हिंदी विभागाध्यक्ष प्रा. डॉ. दत्तात्रय अन्नारसे सरजी का नाम निर्दिष्ट हुआ।
 - 5) विभागांतर्गत कार्यक्रम में प्रश्नमंजुषा स्पर्धा, वक्तृत्व स्पर्धा, निबंध स्पर्धा, हिंदी पखवाडा पर समय तथा इनका नियोजन हुआ। छात्रों को इन स्मारोह के विषय दिए गये। निबंध स्पर्धा के विषय देकर उनमें से प्रथम, द्वितीय, तृतीय छात्र निर्दिष्ट हुए।
 - 6) MOC के अंतर्गत सुकर्मलता गांधी महाविद्यालय, वेराग और कला और वाणिज्य महाविद्यालय माडा इन दो महाविद्यालयों के साथ हिंदी विभाग का स्तंभजल्यकरण निर्दिष्ट किया गया।
 - 7) शैक्षणिक वर्ष 2021-22 के विभागांतर्गत लिए जाने वाले कार्यक्रम निर्दिष्ट हुए।

सूचना

हिंदी विभाग के सभी प्राध्यापकों को सूचित किया जाता है कि दि. 2 दिसंबर 2021 को ठीक 10.45 बजे अपने विभाग में मिटिंग का आयोजन किया हुआ है। ठीक समय पर उपस्थित रहे।

विभागाध्यक्ष

M.S. L.

Head, Department of Hindi
KNBC & VPS College Bhosara

प्रा. रोकेडे आर. पी.

Annex

चर्चा के विषय

- 1) पूर्व मिटिंग में उपस्थित विषयों की पूर्णता के संदर्भ में
- 2) द्वितीय सत्र के पाठ्यक्रम के संदर्भ में
- 3) आन्तगत परिक्षाओं के संदर्भ में
- 4) विभागांतर्गत कार्यक्रम के संदर्भ में
- 5) परिवर्तित पाठ्यक्रम कार्यशाला के बारे में
- 6) ऑनलाइन अभ्यास कसौरी

अहवाल

हिंदी विभाग में संपन्न दि. 2 दिसंबर 2023 के मिटिंग में सत्र दो में लिए जा रहे पाठ्यक्रम पर चर्चा हुई। संदर्भ पुस्तकें तथा क्रमिक पुस्तक एवं नोट्स के बारे में चर्चा कर छात्रों को PDF के रूप में ऑनलाइन Google Classroom तथा WhatsApp App के माध्यम से एवं ऑफलाइन पद्धती से उपलब्ध की गयी।

पूर्व मिटिंग के उपास्थित विषयों पर चर्चा हुई उसकी पूर्णता के संदर्भ में नियोजन किया गया।

B.A.-I, B.A.-II, B.A.-III की आंतरगत परीक्षाओं के बारे में चर्चा हुई। ऑनलाइन तथा ऑफलाइन दोनों पद्धतियों से आंतरगत परीक्षाएँ संपन्न होना निश्चित हुआ।

विभागांतर्गत लिए जा रहे अन्य कार्यक्रम के बारे में चर्चा हुई। Guest Lecturer के संदर्भ में चर्चा हुई।

परिवर्तित पाठ्यक्रम पर अन्य महाविद्यालयों में हो रही पाठ्यक्रम कार्यालयों पर चर्चा हुई। विशेष लेखक - भगवानदास मोरवाल के उपन्यास साहित्यिक - कृत्रिम की विशेषता के बारे में चर्चा हुई।

P.A.H. खोलापुर विद्यापिठ आंतरगत हिंदी प्रतिष्ठान, कसोटी का नियोजन किया गया। इन परीक्षाओं का समय और दिनांक निश्चित हुई।

प्रा. डॉ. मनिषा साहू
प्रा. रोहिदास रोहडे

M.S. Sahu

कार्यपूती

शैक्षणिक वर्ष 2021-22 के अंतर्गत हिंदी विभाग की ओर से निम्न कार्यवाही की गयी।

1) शै. वर्ष 2021-22 के अंतर्गत वार्षिक नियोजन पाठ्यक्रम नियोजन अंतर्गत परिक्षाएँ TA, PA का नियोजन हुआ।

2) B.A I, B.A II, B.A III के छात्रों के लिए परिवर्तित पाठ्यक्रम पर आधारित नोट्स ऑनलाइन/ऑफलाइन तरीके से उपलब्ध किये गए।

3) विभागांतर्गत विभिन्न कार्यक्रम संपन्न हुए।

4) सांगोला कॉलेज, सांगोला की ओर से बी.ए. भाग 3 हिंदी 'पूनर्गठित पाठ्यक्रम कार्यशाला' दि. 9 जनवरी 2022 को आयोजित हुई। इसमें हमारे बी.ए. भाग 3 के छात्रों ने सहभाग लिया। B.A III के परिवर्तित पाठ्यक्रम के संदर्भ में चर्चा हुई।

5) हिंदी प्रतिष्ठान, रोनापूर, हिंदी अध्ययन मंडल की ओर से ऑनलाइन अभ्यास कसौटी B.A I, B.A II, B.A III के छात्रों के लिए ली गयी जिसमें हमारे तीनों कक्षाओं के छात्र उपस्थित रहे। इन छात्रों के सराव टेस्ट के लिए लिए गये।

MPS
Head, Department of Hindi
KNBAC & VPS College Bhosara

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College
Vidyanagar, Bhosare

Department of History
Year 2021-22

Notice
For
Departmental Meeting

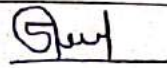
All the faculty member of the department of History is hereby informed that departmental meeting will be held on 24/06/2021 at 11.00 am at Department of History so all faculty member are requested to attend the Meeting.

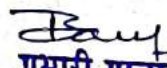
Agenda of the Meeting

1. Plan the Time table,
2. Distribution, Syllabus
3. Workload distribution,
4. Academic calendar,
5. Planning for Certificate course
6. Planning for Online guest lecture


Dept of History

Head, Department of History
KNBAC & V. S. College, Bhosare.

Sr. No	Name of the Professor/ Teacher	Signature
1	Mr. Shejul B. R.	


प्रमारी प्राचार्य
के.एन.मिसे आर्ट्स, कॉमर्स अॅण्ड
विनायकराव पाटील सायन्स कॉलेज
विद्यानगर भोसरे, जि. सोलापूर

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College
Vidyanagar, Bhosare

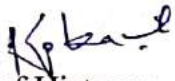
Department of History
Year 2021-22


Notice
For
Departmental Meeting

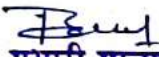
All the faculty member of the department of History are hereby informed that departmental meeting will be held on 25/11/2021 at 11.00 am at Department of History so all faculty member are requested to attend the Meeting .

Agenda of the Meeting

1. Field Project,
2. Certificate course
3. Online guest lecture


Dept of History
H.O.D
Head, Department of History
KNBAC & VPS College, Bhosara.

Sr. No	Name of the Professor/ Teacher	Signature
1	Mr. Shejul B. R.	


प्रभारी प्राचार्य
के.एन.भिसे आर्ट्स, कॉमर्स अॅण्ड
विनायकराव पाटील सायन्स कॉलेज
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Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College
Vidyanagar, Bhosare

Department of History
Minutes of the Meeting

Year 2021-22

Departmental meeting related to Time table, Syllabus distribution, workload distribution, Academic calendar, Certificate course and guest lecture was held on 24/06/2021 at 11.00 am at Department of History. Following staff members were present for the meeting.

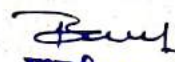
Sr. No	Name of the Teacher	Signature
1	Prof. Pantulwar R. G.	R. G. Pantulwar
2	Prof. Shejul. B. R.	Shejul B. R.

The Minutes of the meeting is following.

1. In this Meeting The following points are Finalized

- Discussion on Departmental time table for academic year 2021-22 was done.
- Resource persons and tentative Dates of Online Guest lecturer were finalized
- Academic calendar was prepared.
- Syllabus was distributed among the staff.
- Departmental workload and papers were distributed.
- Date and Topic were discussed for the certificate course of academic year 2021-22.


Head, Department of History
KNBAC & V. S. College, Bhosare.

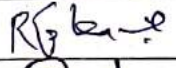
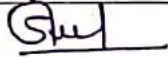

प्रभारी प्राचार्य
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विनायकराव पाटील सायन्स कॉलेज
विद्यानगर भोसरे, जि. सोलापूर

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College
Vidyanagar, Bhosare

Department of History
Minutes of the Meeting

Year 2021-22

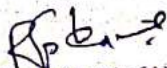
Departmental meeting related to Field Project and Online guest lecture was held on 25/11/2021 at 11.00am at Department of History. Following staff members were present for the meeting.

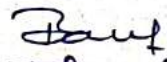
Sr. No	Name of the Teacher	Signature
1	Prof. Pantulwar R. G.	
2	Prof. Shejul. B. R.	

The Minutes of the meeting is following.

2. In this Meeting The following points are Finalized

- i) Discussion on Field Project for academic year 2021-22 was done. it was decided that field projects will be given only to the students of BA-III year.
- ii) Resource persons and tentative Dates of Online Guest lecturer were finalized for second term of the academic year 2021-22.
- iii) Discussion was done about final Documents and report of certificate course.


Head, Department of History
KNBAC & VPS Collage, Bhosara.


प्रमारी प्राचार्य
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विनायकराव पाटील सायन्स कॉलेज
विद्यानगर भोसरे, जि. सोलापूर

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College
Vidyanagar, Bhosare

Department of History

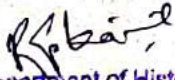
Year 2021-22


Date: 25-02-2022

Department of history conducted two departmental meeting in academic year 2021-22, so many resolutions were finalized at there.

Action Taken Report

Sr. No.	Resolution	Action taken
1.	It was resolved to prepare Departmental time table for the current academic year	All the members prepared the time table.
2.	It was decided to conduct online Certificate Course	Online Certificate Course was conducted during 04/04/2022 To 22/04/2022
3.	It was resolved to conduct online guest lecture	Online Guest Lecture were organized as per decided in Departmental Meeting.
4.	It was resolved to prepare Departmental Academic Calendar for the current academic year	Head and Assistance of Department prepared Academic Calendar for current academic year.
5.	It was decided to allot Paper as per workload	As per the resolution the action has been taken.
6.	It was decided to assign the field project for the BA-III year students.	As per the resolution the action has been taken
7.	It was resolved to conduct Students seminar and Tutorial test under CIE.	As per resolution online seminar and Test have been organized for students.


Head, Department of History
KNBAC & VPS College, Bhosara.


प्रभारी प्राचार्य
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विनायकराव पाटील सायन्स कॉलेज
विद्यानगर भोसरे, जि. सोलापूर

MADHA TALUKA SHIKSHAN PRASARAK MANDAL'S
K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL SCIENCE COLLEGE
VIDHYANAGAR BHOSARE

DEPARTMENT OF GEOGRAPHY

Notice

Year 2021-22

Notice of hereby given that the All the faculty member of the department of Geography here by informed that meeting will be held regarding Time table, Syllabus distribution, workload distribution, Academic calendar Certificate course and guest lecture 02/08/2021 at 10.00 am at Department of Geography so all member are requested to attend the Meeting with head of Geography.

[Signature]
Head, Department of Geography

H.O.D

Sr. No	Name of the Professor/ Teacher	Signature
1	Dr. Nagare V.B.	<i>[Signature]</i>
2	Dr. Patil Ranjeet R	<i>[Signature]</i>
3	Miss Khare A.A.	<i>[Signature]</i>
4.	Prof. Band A.M	<i>[Signature]</i>

[Signature]

I/c.Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

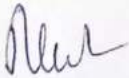
**K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL SCIENCE COLLEGE
VIDHYANAGAR BHOSARE**

DEPARTMENT OF GEOGRAPHY

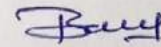
**Minutes of the Meeting
Year 2021-22**

The meeting related to Time table, Syllabus distribution, workload distribution, Academic calendar Certificate course and guest lecture is held on 02/08/2021 at 10.00 am at Department of Geography. The Minutes of the meeting is following.

- 1) The meeting is held on 02/08/2021 at 11.00 am at department of Geography
- 2) In the meeting head of Geography department and Staff member were present
- 3) In this Meeting participants are discussed about Time table, Syllabus distribution, workload distribution, Academic calendar Certificate course and guest lecture.
- 4) In this Meeting The following points are Finalized
 - i. Departmental time table has papered
 - ii. Guest lecturer date finalized
 - iii. Academic calendar has finalized
 - iv. Staff wise Syllabus has distributed,
 - v. Staff wise workload has distributed,



Head. Department of Geography



**I/c. Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur**


**K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL SCIENCE COLLEGE
VIDHYANAGAR BHOSARE**

DEPARTMENT OF GEOGRAPHY

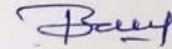
Action taken Report

The action taken for discussed point under the meeting held on 02/08/2021 at 10.00 am at Department of Geography, related to Time table, Syllabus distribution, workload distribution, Academic calendar Certificate course and guest lecture, the action taken report is following.

- i) Departmental time table has finalized and papered
- ii) Guest lecturer and date is finalized
- iii) Academic calendar has prepared and finalized
- iv) Staff wise Syllabus has discussed and distributed,
- v) Staff wise workload has distributed among the faculty member.



Head. Department of Geography



**I/c.Principal
K.N.Bhise Arts,Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare,Dist-Solapur**

MADHA TALUKA SHIKSHAN PRASARAK MANDAL'S
K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL SCIENCE COLLEGE
VIDHYANAGAR BHOSARE


DEPARTMENT OF GEOGRAPHY

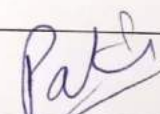
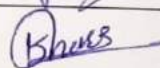
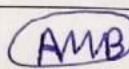
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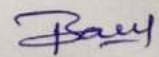
Date- 14/06/2022

Academic Year 2021-22

Notice of hereby given that the all the faculty member of the department of Geography here by informed that departmental meeting will be held regarding Syllabus Completion, Evaluation of Internal Examination, Study Tour, Distribution and completion of project work among the students and Geography Practical Examination is held on 16/06/2022 at 11.00 am at Geography department. so, all staff members are requested to attend the Meeting with head of Geography.


Dept of Geography
Head. Department of Geography
H.O.D

Sr. No	Name of the Professor/ Teacher	Signature
1	Dr. Patil Ranjeet R	
2	Miss Khare A.A.	
3	Mr. Band A.M	


I/c.Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

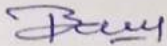
DEPARTMENT OF GEOGRAPHY

Minutes of the Meeting
Year 2021-22

The meeting related to Syllabus Completion, Evaluation of Internal Examination, Study tour, project work and Geography Practical Examination is held on 16/06/2022 at 11.00 am at Geography department. The Minutes of the meeting is following.

1. The meeting is held on 16/06/2022 at 11.00 am
2. In this meeting head of Geography department and Staff member were present
3. In this Meeting participants are discussed about Syllabus Completion, evaluation of Internal Examination, Study tour, project work and Geography Practical Examination.
4. In this Meeting The following points are Finalized
 - i) Syllabus Completion report.
 - ii) Internal Examination – UA and CA
 - iii) Geography Practical Examination.
 - iv) Study tour
 - v) Distribution and completion of project work among the students


Head. Department of Geography


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MADHA TALUKA SHIKSHAN PRASARAK MANDAL'S
K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL SCIENCE COLLEGE
VIDHYANAGAR BHOSARE

DEPARTMENT OF GEOGRAPHY

Action taken Report


Year 2021-22

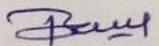
Date: 20-06-2022

Department of Geography conducted two departmental meeting in academic year 2021-22, so many resolutions were finalized at there.

Action Taken Report

Sr. No.	Resolution	Action taken
1.	It was resolved to prepare Departmental time table for the current academic year	All the members prepared the time table.
2.	It was decided to conduct the University Approved Certificate Course	Certificate Course was conducted during 01/11/2021 To 30/04/2022
3.	It was resolved to conduct guest lecture	Guest Lecture were organized as per decided in Departmental Meeting.
4.	It was resolved to prepare Departmental Academic Calendar for the current academic year	Head and Assistance of Department prepared Academic Calendar for current academic year.
5.	It was decided to allot Paper as per workload	As per the resolution the action has been taken.
6.	It was decided to assign the field project for the BA-III-year students.	As per the resolution the action has been taken
7.	It was resolved to conduct Unit test test under CIE.	As per resolution online and offline test have been organized for students.
8.	It was decided to go on study tour as per the prescribed syllabus for the BA-III-year	As per the resolution the action has been taken
9.	Preparation of Geography practical examination	As per the resolution the action has been taken


Head. Department of Geography


I/c. Principal
K.N.Bhise Arts, Commerce &
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Vidyanagar Bhosare, Dist-Solapur

के. एन.भिसे आर्ट्स, कॉमर्स अँड विनायकराव पाटील सायन्स कॉलेज विद्यानगर,
भोसरे(कुईवाडी)(Departmental Meeting)
मराठी विभाग
२०२१-२२ (प्रथम सत्र)

सूचना

मराठी विभागातील सर्व प्राध्यापकांना सूचित करण्यात येते की, दिनांक १०/०८/२०२२ रोजी मराठी विभागात मीटिंगचे आयोजन केले आहे. तरी सकाळी ११.०० वाजता मराठी विभागातील सर्व प्राध्यापकांनी मीटिंगसाठी उपस्थित रहावे.


विभागप्रमुख
Head, Department of Marathi
KNBAC & VPS College, Bhosare.


प्राचार्य
I/c.Principal
K.N.Bhise Jr.College of Arts, Comm.
And Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist Solapur

उपस्थिती :-

१. प्रो. डॉ. पी. एस. कांबळे

२. डॉ. सौ. एस. व्ही. मोहिते



* मीटिंग मधील चर्चेचे विषय पुढीलप्रमाणे :-

१. पहिल्या सत्रामधील अभ्यासक्रमाविषयी चर्चा करणे.

२. अभ्यासक्रमाचे/ पेपरचे वितरण करणे.

३. बदललेल्या अभ्यासक्रमाविषयी चर्चा करणे.

४. टिचिंग प्लॅन विषयी चर्चा करणे.

५. विभागांतर्गत घेण्यात येणाऱ्या प्रमाणपत्र कोर्स संबंधी चर्चा करणे.

६. वार्षिक नियोजनासंबंधी चर्चा करणे.

५. आयत्या वेळचे विषय ..

के. एन.भिसे आर्ट्स, कॉमर्स अँड विनायकराव पाटील सायन्स कॉलेज विद्यानगर,

भोसरे(कुईवाडी)

मराठी विभाग

अहवाल

मराठी विभागात दिनांक १०/०८/२०२२ रोजी मीटिंग आयोजित केली होती. या मिटींगला अध्यक्ष म्हणून मराठी विभाग प्रमुख प्रोफेसर डॉ. पी.एस.कांबळे उपस्थित होते.त्याचप्रमाणे मराठी विभागातील सहाय्यक प्राध्यापिका डॉ. सौ.एस. व्ही. मोहिते मॅडम उपस्थित होत्या. या मीटिंगमध्ये ठरलेल्या विषयावर अनुकूल चर्चा करण्यात आली. प्रथम सत्रात घेण्यात येणारे कार्यक्रम, टीचिंग प्लॅन, अभ्यासक्रम पूर्तता कशा पद्धतीने करावी हे ठरवले गेले. या मीटिंगमध्ये खालील ठराव मांडण्यात आले..

१. प्रथम सत्रातील अभ्यासक्रम पूर्ण करून त्यावर आधारित घटक चाचण्यांचे (अंतर्गत मूल्यमापन)

नियोजन करण्यात आले.

२. मराठी वांग्मय मंडळाची स्थापना करून विविध कार्यक्रम घेण्याचे ठरवले.


३. प्रथम सत्रात वाटून दिलेल्या अभ्यासक्रम /पेपर पूर्ण करणे.

४. बदललेल्या अभ्यासक्रमावर तसेच टीचिंग प्लॅनविषयी आराखडा ठरवला.

५.विभागांतर्गत घेण्यात येणाऱ्या प्रमाणपत्र कोर्स संबंधीचर्चा करून त्याचा विषय तर्कला गेला.


वरील विषयावर चर्चा होऊन सर्वानुमते हे ठराव मंजूर करण्यात आले.


विभागप्रमुख
Head, Department of Marathi
KNBAC & VPS College, Bhosare.


I/C. Principal
K.N. Bhise Jr. College of Arts, Comm.
And Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist Solapur

उपस्थिती :-

१. प्रो. डॉ. पी. एस. कांबळे


२. डॉ. सौ. एस. व्ही. मोहिते - 


के. एन.भिसे आर्ट्स, कॉमर्स अँड विनायकराव पाटील सायन्स कॉलेज विद्यानगर,
भोसरे(कुईवाडी)(Departmental Meeting)

२०२१-२२ (प्रथम सत्र समाप्ती)

सूचना

मराठी विभागातील सर्व प्राध्यापकांना सुचित करण्यात येते की, दिनांक ०२/११/२०२२ रोजी मराठी विभागात मीटिंगचे आयोजन केले आहे. तरी सकाळी ११.०० वाजता मराठी विभागातील सर्व प्राध्यापकांनी मीटिंगसाठी उपस्थित रहावे.


विभागप्रमुख
Head, Department of Marathi
KNBAC & VPS College, Bhosare.


I/C. Principal
K.N.Bhise Jr.College of Arts, Comr
And Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist Solapur

उपस्थिती :-

१. प्रो. डॉ. पी. एस. कांबळे

२. डॉ. सौ. एस. व्ही. मोहिते

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*** मीटिंग मधील चर्चेचे विषय पुढीलप्रमाणे :-**

१. पहिल्या सत्रामधील अभ्यासक्रम पूर्तते विषयी आढावा घेणे.
२. मागील मीटिंग मध्ये झालेल्या ठरावावर चर्चा करणे.
३. पहिल्या सत्रामधील ठरवलेल्या कार्यक्रमाविषयी आढावा घेणे.
४. पहिल्या सत्रामधील अभ्यासक्रमावर घेतलेल्या परीक्षेसंबंधी आढावा घेणे.
५. विभागांतर्गत घेण्यात आलेल्या प्रमाणपत्र कोर्स संबंधी आढावा घेणे.
६. आयत्या वेळचे विषय ...

के. एन.भिसे आर्ट्स,कॉमर्स अँड विनायकराव पाटील सायन्स कॉलेज विद्यानगर,

भोसरे(कुईवाडी)

मराठी विभाग

अहवाल

मराठी विभागात दिनांक ०२/११/२०२२ रोजी मीटिंग आयोजित केली होती. या मीटिंगला अध्यक्ष म्हणून मराठी विभाग प्रमुख प्रोफेसर डॉ. पी.एस.कांबळे उपस्थित होते.त्याचप्रमाणे मराठी विभागातील सहाय्यक प्राध्यापिका डॉ. सौ.एस. व्ही. मोहिते मॅडम उपस्थित होत्या. या मीटिंगमध्ये ठरलेल्या विषयावर अनुकूल चर्चा करण्यात आली. प्रथम सत्रात घेण्यात येणारे कार्यक्रम, टीचिंग प्लॅन, अभ्यासक्रम पूर्तता कशा पद्धतीने करावी हे ठरवले गेले. या मीटिंगमध्ये खालील ठराव मांडण्यात आले..


१. प्रथम सत्रातील अभ्यासक्रम पूर्ण करून त्यावर आधारित घटक चाचण्यांचे (अंतर्गत मूल्यमापन) नियोजन करण्यात आले.

२. मराठी वांग्मय मंडळाची स्थापना करून विविध कार्यक्रम घेण्याचे ठरले.

३. प्रथम सत्रात वाटून दिलेल्या अभ्यासक्रम /पेपर पूर्ण करणे.

४. बदललेल्या अभ्यासक्रमावर तसेच टीचिंग प्लॅनविषयी चर्चा झाली.


वरील विषयावर चर्चा होऊन सर्वानुमते हे ठराव मंजूर करण्यात आले.


विभागप्रमुख
Head, Department of Marathi
KNBAC & VPS College, Bhosare.


I/Principal
K.N.Bhise Jr.College of Arts,Comm.
And Vinayakrao Patil Science College
Vidyanagar Bhosare,Dist Solapur

उपस्थिती :-

१.प्रो. डॉ. पी. एस. कांबळे

२.डॉ. सौ. एस. व्ही. मोहिते - 


के. एन.भिसे आर्ट्स,कॉमर्स अँड विनायकराव पाटील सायन्स कॉलेज विद्यानगर,
भोसरे(कुईवाडी)(Departmental Meeting)

२०२१-२२ (द्वितीय सत्र)

सूचना

मराठी विभागातील सर्व प्राध्यापकांना सुचित करण्यात येते की, दिनांक ०४/०४/२०२२ रोजी मराठी विभागात मीटिंगचे आयोजन केले आहे. तरी सकाळी ११.०० वाजता मराठी विभागातील सर्व प्राध्यापकांनी मीटिंगसाठी उपस्थित रहावे.


विभागप्रमुख
Head, Department of Marathi
KNBAC & VPS College, Bhosare.


I/c. **Principal**
K.N.Bhise Jr.College of Arts,Comm.
And Vinayakrao Patil Science College
Vidyanagar Bhosare,Dist Solapur

उपस्थिती :-

१.प्रो. डॉ. पी. एस. कांबळे

२.डॉ. सौ. एस. व्ही. मोहिते

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* मीटिंग मधील चर्चेचे विषय पुढीलप्रमाणे :-

१.मागील मीटिंग मध्ये घेण्यात आलेल्या ठरावावर चर्चा करणे..

२.द्वितीय सत्र अभ्यासक्रमाचे/ पेपरचे वितरण करणे.

३.द्वितीय सत्रात घेणाऱ्या उपक्रमावर चर्चा करणे.

४ अंतर्गत परीक्षेसंबंधी चर्चा करणे.

४. आयत्या वेळचे विषय ...

के. एन.भिसे आर्ट्स,कॉमर्स अँड विनायकराव पाटील सायन्स कॉलेज विद्यानगर,

भोसरे(कुईवाडी)

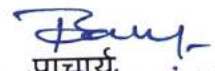
मराठी विभाग

अहवाल

मराठी विभागात दिनांक ०४/०४/२०२२ रोजी मीटिंग आयोजित केली होती. या मिटींगला अध्यक्ष म्हणून मराठी विभाग प्रमुख प्रोफेसर डॉ. पी.एस.कांबळे उपस्थित होते.त्याचप्रमाणे मराठी विभागातील सहाय्यक प्राध्यापिका डॉ. सौ.एस. व्ही. मोहिते मॅडम उपस्थित होत्या. या मीटिंगमध्ये ठरलेल्या विषयावर अनुकूल चर्चा करण्यात आली. या मीटिंगमध्ये खालील ठराव मांडण्यात आले..

१. प्रथम सत्रातील अभ्यासक्रम पूर्ण करून त्यावर आधारित घटक चाचण्यांचे (अंतर्गत मूल्यमापन) नियोजन करण्यात आले.
२. मराठी वांगमय मंडळाची स्थापना करून विविध कार्यक्रम घेण्याचे ठरवले.
३. प्रथम सत्रात वाटून दिलेल्या अभ्यासक्रम /पेपर पूर्ण करणे.
४. बदललेल्या अभ्यासक्रमावर तसेच टीचिंग प्लॅनविषयी आराखडा ठरवला.
- ५.विभागांतर्गत घेण्यात येणाऱ्या प्रमाणपत्र कोर्स संबंधीचर्चा करून त्याचा विषय तर्कला गेला. वरील विषयावर चर्चा होऊन सर्वानुमते हे ठराव मंजूर करण्यात आले.


विभागप्रमुख
Head, Department of Marathi
KNBAC & VPS College, Bhosare.


I/C.Principal
K.N.Bhise Jr.College of Arts,Comn.
And Vinayakrao Patil Science College
Vidyanagar Bhosare,Dist Solapur

उपस्थिती :-

१.प्रो. डॉ. पी. एस. कांबळे

२.डॉ. सौ. एस. व्ही. मोहिते

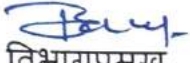


के. एन.भिसे आर्ट्स, कॉमर्स अँड विनायकराव पाटील सायन्स कॉलेज विद्यानगर,
भोसरे(कुईवाडी)(Departmental Meeting)

२०२१-२२ (द्वितीय सत्र समाप्ती)

सूचना

मराठी विभागातील सर्व प्राध्यापकांना सुचित करण्यात येते की, दिनांक २५/०६/२०२२ रोजी मराठी विभागात मीटिंगचे आयोजन केले आहे. द्वितीय सत्रात घेण्यात आलेल्या कार्याचा आढावा घेण्यासाठी ही मीटिंग आयोजित केली आहे तरी सकाळी ११.०० वाजता मराठी विभागातील सर्व प्राध्यापकांनी मीटिंगसाठी उपस्थित रहावे.


विभागप्रमुख

Head, Department of Marathi
KNBAC & VPS College, Bhosare.


प्राचार्य

I/c. Principal
K.N.Bhise Jr. College of Arts, Com. &
And Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist Solapur

उपस्थिती :-

१. प्रो. डॉ. पी. एस. कांबळे :

२. डॉ. सौ. एस. व्ही. मोहिते :



* मीटिंग मधील चर्चेचे विषय पुढीलप्रमाणे :-

१. मागील मीटिंग मध्ये घेण्यात आलेल्या ठरावाची कार्यपूर्ती झाली का चर्चा करणे..
२. द्वितीय सत्रामधील अभ्यासक्रमाची पुर्ततेविषयी चर्चा
३. द्वितीय सत्रामधील ठरवलेल्या कार्यक्रमाविषयी आढावा घेणे.
४. द्वितीय सत्रामधील अभ्यासक्रमावर घेतलेल्या परीक्षेसंबंधी आढावा घेणे.
६. आयत्या वेळचे विषय ...

के. एन.भिसे आर्ट्स,कॉमर्स अँड विनायकराव पाटील सायन्स कॉलेज विद्यानगर,

भोसरे(कुईवाडी)

मराठी विभाग

अहवाल

मराठी विभागात दिनांक २५/०६/२०२२ रोजी मीटिंग आयोजित केली होती. या मीटिंगला अध्यक्ष म्हणून मराठी विभाग प्रमुख प्रोफेसर डॉ. पी.एस.कांबळे उपस्थित होते.त्याचप्रमाणे मराठी विभागातील सहाय्यक प्राध्यापिका डॉ. सौ.एस. व्ही. मोहिते मॅडम उपस्थित होत्या. या मीटिंगमध्ये ठरलेल्या विषयावर अनुकूल चर्चा करण्यात आली. प्रथम सत्रात घेण्यात येणारे कार्यक्रम, टीचिंग प्लॅन, अभ्यासक्रम पूर्तता कशा पद्धतीने करावी हे ठरवले गेले. या मीटिंगमध्ये खालील ठराव मांडण्यात आले..

१. प्रथम सत्रातील अभ्यासक्रम पूर्ण करून त्यावर आधारित घटक चाचण्यांचे (अंतर्गत मूल्यमापन) नियोजन करण्यात आले.

२. मराठी वांग्मय मंडळाची स्थापना करून विविध कार्यक्रम घेण्याचे ठरले.

३. प्रथम सत्रात वाटून दिलेल्या अभ्यासक्रम /पेपर पूर्ण करणे.

४. बदललेल्या अभ्यासक्रमावर तसेच टीचिंग प्लॅनविषयी चर्चा झाली.

वरील विषयावर चर्चा होऊन सर्वानुमते हे ठराव मंजूर करण्यात आले.


विभागप्रमुख

Head, Department of Marathi
KNBAC & VPS College, Bhosare


प्राचार्य

I/c.Principal
K.N.Bhise Jr.College of Arts,Comm.
And Vinayakrao Patil Science College
Vidyanagar Bhosare,Dist Solapur

उपस्थिती :-

१.प्रो. डॉ. पी. एस. कांबळे

२.डॉ. सौ. एस. व्ही. मोहिते



Madha Taluka Shikshan Prasarak Mandal's
K. N. BHISE ART'S, COMMERCE AND VINAYAKRAO PATIL SCIENCE
COLLEGE VIDYANAGAR, BHOSARE


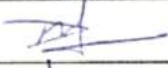
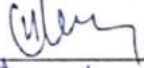

Department of Economics

Minutes of the Meeting
Year 2020-21

Date -09/08/2021

Departmental meeting related to Time table, Syllabus distribution, workload distribution, Academic calendar, Certificate course and guest lecture was held on 10/08/2021 at 11.00am at Department of Economics

. Following staff members were present for the meeting.

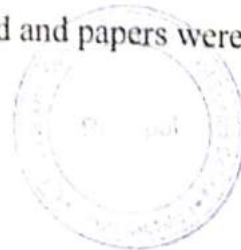
Sr.No	Name of the Teacher	Signature
1	Prof.Waghmare V.B.	
2	Prof.Kadam D.M.	
3	Prof. Survase N.A.	
4	Dr. Raut A.P.	

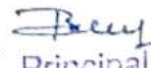
The Minutes of the meeting is following.

1. In this Meeting The following points are Finalized

- Discussion on Departmental time table for academic year 2020-21 was done.
- Resource persons and tentative Dates of Online Guest lecturer were finalized
- Academic calendar was prepared.
- Syllabus was distributed among the staff.
- Departmental workload and papers were distributed.


Head, Department of Economics
KNBAC & VPS College, Bhosare.




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Patil Science College,
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Madha Taluka Shikshan Prasarak Mandal's
K. N. BHISE ART'S, COMMERCE AND VINAYAKRAO PATIL SCIENCE
COLLEGE VIDYANAGAR, BHOSARE


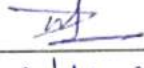
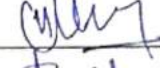
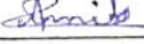
Department of Economics

Minutes of the Meeting
Year 2020-21

Date – 15/11/2021

Departmental meeting related to Field Project and Online guest lecture was held on 17/11/2021 at 11.00am at Department of Economics

. Following staff members were present for the meeting.

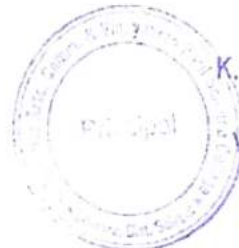
Sr. No	Name of the Teacher	Signature
1	Prof. Waghmare V.B.	
2	Prof. Kadam D.M.	
3	Prof. Survase N.A.	
4	Dr. Raut A.P.	


The Minutes of the meeting is following.

In this Meeting the following points are finalized

- i) Discussion on online guest lecture and finalized title and date.
- ii) Resource persons and tentative Dates of Online Guest lecturer were finalized for first term of the academic year 2021-22.


Head, Department of Economics
KNBAC & VPS College, Bhosare.




IC Principal
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Patil Science College,
Vidyanagar Bhosare, Dist. Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. BHISE ART'S, COMMERCE AND VINAYAKRAO PATIL SCIENCE
COLLEGE VIDYANAGAR, BHOSARE

Department of Economics



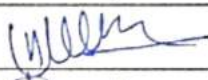

Minutes of the Meeting

Year 2021-22

Date – 17/12/2021

Departmental meeting related to Departmental NAAC Visit was held on 18/12/2021 at 11.00am at Department of Economics

. Following staff members were present for the meeting.

Sr. No	Name of the Teacher	Signature
1	Prof. Waghmare V.B.	
2	Prof. Kadam D.M.	
3	Prof. Survase N.A.	
4	Dr. Raut A.P.	


The Minutes of the meeting is following.

In this Meeting the following points are finalized

- iii) Discussion on NAAC Peer Team visit to Department.
- iv) Finalized all departmental files (certificate course title, time table and shorting applications of this certificate course)


Head, Department of Economics
KNBAC & VPS College, Bhosare.








Principal
K.N. Bhise Arts, Comm. & Vinayakrao
Patil Science College,
Vidyanagar Bhosare, Dist. Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College
Vidyanagar, Bhosare
Department of Economics
Minutes of the Meeting
Year 2021-22

Date 24-01-2022

Departmental meeting related to online one day National level seminar on 27th Jan. was held on 25/01/2022 at 11.00am at Department of Economics

Following staff members were present for the meeting.

Sr. No	Name of the Teacher	Signature
1	Prof. Waghmare V.B.	
2	Prof. Kadam D.M.	
3	Prof. Survase N.A.	
4	Dr. Raut A.P.	

The Minutes of the meeting is following:

- Discussion on online one day National level seminar on 27th Jan. was held on 25/01/2022.
- Resource persons and tentative Dates of resurge person were finalized
- Finalized broacher and advisory committee


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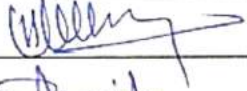

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College
Vidyanagar, Bhosare

Department of Economics
Minutes of the Meeting
Year 2021-22

Date: - 05/04/2022

Departmental meeting related to short term certificate course in stock market was held on 06/04/2022 at 11.00 am at Department of Economics

. Following staff members were present for the meeting.

Sr. No	Name of the Teacher	Signature
1	Prof. Waghmare V.B.	
2	Prof. Kadam D.M.	
3	Prof. Survase N.A.	
4	Dr. Raut A.P.	


The Minutes of the meeting is following.

2. In this Meeting The following points are Finalized

- Discussion on broacher, time table and syllabus of certificate course.
- Date and Topic were discussed for the certificate course of academic year 2021-22.
- Tentative Date and Place of Departmental Tour were discussed.
- Unit Test and Students seminar were finalized according to CIE Calendar.


Head, Department of Economics,
KNBAC & VPS College, Bhosare.




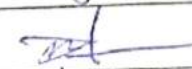
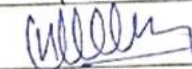
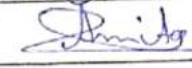

Principal
K. N. Bhise Arts, Comm. & Vinayakrao
Patil Science College,
Vidyanagar Bhosare, Dist. Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College
Vidyanagar, Bhosare
Department of Economics
Minutes of the Meeting
Year 2021-22

Date: - 27/04/2022

Departmental meeting related to guest lecture was held on 28/04/2022 at 11.30am at Department of Economics

. Following staff members were present for the meeting.


Sr. No	Name of the Teacher	Signature
1	Prof. Waghmare V.B.	
2	Prof. Kadam D.M.	
3	Prof. Survase N.A.	
4	Dr. Raut A.P.	

The Minutes of the meeting were following.

- i) Discussion on online guest lecture and finalized title and date.
- ii) Resource persons and tentative Date of Guest lecturer were finalized for second term of the academic year 2021-22.


Head, Department of Economics
KNBAC & VPS College, Bhosare.





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Patil Science College,
Vidyanagar Bhosare, Dist. Solapur

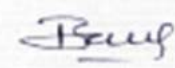
MADHA TALUKA SHIKSHAN PRASARAK MANDAL
K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL SCIENCE COLLEGE, BHOSARE

Department of Physics

Academic Plan 2021-22 Curricular and Co-curricular activities

Sr. no.	Month	Activity
1	July	<ul style="list-style-type: none"> To conduct bridge course for B.Sc.I and B.Sc.II year student.
2	August	<ul style="list-style-type: none"> Organization of Quiz Contest on Physics To conduct CIE (internal test for each paper) every Saturday To arrange student seminar every Saturday Departmental Meeting will be held on second Saturday of every month Distribution of Project for AVISHKAR To Run a certificate course on awareness about the plastic waste and plastic management
3	September	<ul style="list-style-type: none"> To conduct CIE (internal test for each paper) every Saturday To arrange student seminar every Saturday Guest Lecture Scope of Physics in and research
4	October	<ul style="list-style-type: none"> To conduct remedial classes for B.Sc-I and B.Sc.II year Pre-semester examination
5	December	<ul style="list-style-type: none"> To conduct CIE (internal test for each paper) every Saturday To arrange student seminar every Saturday Organization of Study tour at research center for B.Sc III year To Organize one Day University level workshop on pros and cons of CBCS framework.
6	January	<ul style="list-style-type: none"> To conduct CIE (internal test for each paper) every Saturday To arrange student seminar Arrange Guest Lecture on Material Science on Saturday
7	February	<ul style="list-style-type: none"> To celebrate national science day
8	March	<ul style="list-style-type: none"> Guest lecture on competitive exams for post-graduation Completion project and social project by B.Sc-III students
9	April	<ul style="list-style-type: none"> To prepare and submission of all documents to IQAC required for NAAC.


Head, Department of Physics
KNBAC & VPS College, Bhosare.



I/c.Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

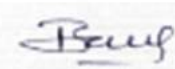
MADHA TALUKA SHIKSHAN PRASARAK MANDAL
K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL SCIENCE COLLEGE, BHOSARE

Department of Physics
Academic Plan 2021-22

Extra-curricular activities

Sr. no	Month	Activity
1	July	-
2	August	<ul style="list-style-type: none">To start Google classroom and conduct online tests.
3	September	<ul style="list-style-type: none">To identify burning issues of society and select a particular issue for field project.
4	October	<ul style="list-style-type: none">To conduct a Swachh Bharat Abhiyan on the occasion of Mahatma Gandhi Jayanti.
5	December	<ul style="list-style-type: none">To organize small visit to railway workshop to get knowledge of how railway engine work .Submission of Field project
6	January	<ul style="list-style-type: none">To celebrate 125th birth anniversary of father of Statistical mechanics Dr.S.N.Bose
7	February	<ul style="list-style-type: none">To Celebrate National Science Day.
8	March	<ul style="list-style-type: none">To organize campaign regarding career counseling along with carrier guidance cell.


Head, Department of Physics
KNBAC & VPS College, Bhosare.


I/c.Principal
K.N.Bhise Arts, Commerce &
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Vidyanagar Bhosare, Dist-Solapur

Department of Chemistry.

2021-22 Departmental

Date: _____
Page: _____
Meeting Record

Notice

16/08/2021

All the staff members of dept. of chemistry are hereby inform that the departmental meeting is going to be held on 18/08/2021 at 10.00 am in department of chemistry. There will be discuss on the topic of admission process, result analysis etc.

All staff members are requested to attend the meeting.

The agenda of the meeting

- 1) Admission process
- 2) Result
- 3) Any other issues

Dudale

Head, Department of Chemistry
KNBAC & VPS College, Bhosare.

Bhai
Principal

K. N. Bhise Arts, Comm. & Vinayakrao
Patil Science College,
Vidyanagar Bhosare, Dist. Solapur

Staff members

Sign

- 1) Kumbhar Dipali madharv
- 2) Tamboli Alisha Iqbal
- 3) Patil M.M.

Patil
Tamboli

S.P. phulwale

Patil
Phulwale

- 4) Lungase Tejaswi Bodharaj


Lungase


minutes of the meeting.

The meeting was held on 18/08/2021 at 10.00 am in department of chemistry with follow~~ed~~ the covid-19 guidelines. The following discussions were based on agenda.


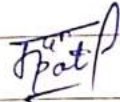
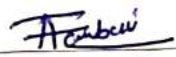
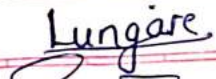

- 1) Admission process :- Due to covid-19 situation the admission of BSc.I, II & III year ~~discussed~~ & ~~planning~~ ^{finalized} by Online mode.
- 2) Result :- We have over viewed last year of all students & analysed on it. We also discussed on analysis of result & we prepare the teaching methods for increase of percentage of results.
- 3) We discussed also on timetable, syllabus, curricular activities.

In this way the meeting was held with discussions above issues following staff members were present for this meeting.


 Head, Department of Chemistry
 KNBAC & VPS College, Bhosare.


 Principal
 K. N. Bhise Arts, Comm. & Vinayakrao
 Patil Science College,
 Vidyanagar Bhosare, Dist. Solapur

Staff members

- | | |
|------------------------------|---|
| 1) Kumbhar Dipali madhav |  |
| 2) Paki M. M. |  |
| 3) Tambori Alisha I. |  |
| 4) Lungare. Tejawli Bodharaj |  |
| 5) S. P. phulwale |  |

Notice

15/11/2021

All the teachers of dept. of chemistry are inform that the meeting is going to be held on 17/11/2021 at 11.00 am. in the department of chemistry. There will be discussion on the topic of NAAC work, curricular & co-curricular activities of dept. All are requested to attend the meeting.



**Head, Department of Chemistry
KNBAC & VPS College, Bhosare.**

Bunf
Principal

K. N. Bhise Arts, Comm. & Vinayakrao
Patil Science College,
Vidyanagar Bhosare, Dist. Solapur

Staff members.

Sign.

1) Kumbhar Dipali madhav
2) Tamboli Alisha Iqbal

Patil
Tamboli

3) patil M.M.

4) S.P. phulwale

Patil
S.P. phulwale

Minutes of the departmental meetings in the dept. of chemistry. The meeting was held on 17/11/2021 at 11:00 am. Topics were discussed & finalized by all teachers of the department.

- 1) NAAC work
- 2) Curricular & co-curricular activities
- 3) Maintenance of Laboratory.
- 4) Other topics of certificate course

We have discussed on NAAC preparation. All teachers submitted all required documents to IQAC. Co-curricular & curricular activities were discussed by all teaching members & take actions.

Certificate course: The head of the department of Chemistry gave guidelines on the syllabus of certificate course on water sample & chemical analysis.

All teachers discussed on syllabus gave suggestions on it. It was discussed & finalized by all teachers. Time table of certificate course was discussed & finalized.

Any other topic — All teachers discussed on organising guest lectures. & take further action.

The meeting was over above discussions. The following members were present for this meeting

[Signature]

Head, Department of Chemistry
K.N.B.A.C. & V.P.S. Patil, Elhosare.

[Signature]
Principal

K. N. Bhise Arts, Comm. & Vinayakrao
Patil Science College,

Vidyanagar Elhosare, Dist. Solapur

- 2) Tamboli All'sha Iqbal
- 3) S.P. Phulwale
- 4) Kumbhar Dipali madhav

Teamb
Smms
Dipali

Duddy

MADHA TALUKA SHIKSHAN PRASARAK MANDAL'S
**K.N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL SCIENCE
COLLEGE, BHOSARE (KURDUWADI)**

Department of Microbiology

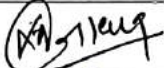




Date-18/10/2021

Notice

All members of Department of Microbiology hereby requested to attend the meeting a on **Date-20/10/2021** at 11:00 am in the Microbiology Department to discuss the following topics

Agenda of Meeting

- 1) To discuss about Admission process.
- 2) To discuss about stock of chemicals and requirements.
- 3) To discuss about distribution of syllabus to all staff members.
- 4) To prepare the bridge course for the first-year students.

Sr. No.	Name of the faculty members	Signature
1	Ms. S. J. Jadhav	
2	Mr.D.B.Jadhav	
3	Mr.K.S.Raut	
4	Ms. M.N.Mulani	
5	Mr. Gaikwad A. S.	



Head of the Department
Mr.N.D.Deshmukh

Head, Department of Microbiology
KNBAC & VPS College. Bhosara

Date:-26/07/2021

Department of Mathematics

Departmental Meeting

(2021-22)


All the Staff members from Mathematics Department are hereby informed to attend the meeting on 28th July, 2021 at 12.00 pm in the department of Mathematics.

Agenda of Meeting is as follows:-

1. Discussion on the syllabus
2. Distribution of Workload.
3. Preparation of Academic Calendar for A.Y. 2021-22.
4. Preparation of teaching plan
5. Preparation of Proposal of Certificate Course in Life Skill Development.



(Mr. Shinde V.S.)

Sr. No.	Name of the Teacher	Signature
1.	Mr. Shinde V.S.	



I/c. Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Date:-28/07/2021

Minutes of Departmental Meeting


The meeting of all staff members of Mathematics Department was held on 28/07/2020 at 12:00 pm in department of Mathematics. The decisions were taken with the approval of all members following the suggestions of the Head of the department. Following members were present for the meeting.

Sr. No.	Name of the Teacher	Signature
1	Mr. Shinde V. S.	

Minutes of the meeting are as follows:-

All faculty member are welcomed by Mr. V. S. Shinde and following decisions are taken in the meeting.

1. As per Discussion on syllabus, distribution of the syllabus was done to each staff member.
2. Discussion on Departmental Calendar, Time Table for academic year 2021-22 was done and prepared as per University directives.
3. Discussion on the teaching plan took place and decided to prepare Teaching plan for A.Y.21-22.
4. Discussion on Proposal of Certificate course in life Skill Development Program was done.


(Mr. Shinde V. S)


I/c.Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.

Department of Mathematics

Action Taken Report

Department of Mathematics conducted departmental meeting on 28/07/2021 in academic year 2021-22. So many resolutions were finalized at there as follows.

Sr. No.	Resolution	Action taken
1.	It was decided to allot Papers as per workload to each staff.	As per the resolution the action has been taken.
2.	It was resolved to prepare Departmental Academic Calendar for the current academic year	Head and Assistance of Department prepared Academic Calendar for current academic year.
3.	It was resolved to prepare Departmental time table for the current academic year	Prepared the time table by all Teacher and approved by Head of Department
4.	It was resolved to prepare Teaching Plan for the current academic year	Prepared the Teaching Plan by all Teacher and approved by Head of Department
5.	Prepared the proposal of Certificate Course in Life Skill Development Programme	Proposal of Certificate Course in Life Skill Development Programme submitted to IQAC cell.

(Mr. shinde v.s.)

Bany
I/c.Principal
K.N.Bhise Arts,Commerce &
Vinayakrao Patil Science College
Bhosare Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.

Date:-27/12/2021

Department of Mathematics

Departmental Meeting


(2021-22)


All the Staff members from Mathematics Department are hereby to attend the meeting on 28th December 2021 at 11.00 am in the department of Mathematics.

All Teachers are requested to attend the Meeting.

Agenda of Meeting as follows:-

1. About Internal Examination
2. Planning of National Mathematics Day Program.
3. Planning of organization of Certificate Course in Life Skill Development.
4. Completion of the Syllabus.


(Mr. shinde V.S.)

Sr. No.	Name of the Teacher	Signature
1.	Mr. Shinde V.S.	


I/c.Principal
K.N.Bhise Arts,Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare,Dist-Solapur

Date:-28/12/2021

Department of Mathematics

Minutes
of
Departmental Meeting

The meeting of staff of Mathematics was held on 28/12/2021 at.11:00 am
in department of Mathematics.

Agenda:-

1. About Internal Examination
2. Planning of National Mathematics Day Program.
3. Planning of execution of Certificate Course in Life Skill Development.
4. Completion of the Syllabus.

Minutes of the meeting are as follows:-

1. It is decided to conduct internal examination in the given period for
Continuous assessment
2. Planning was done to celebrate **National Mathematics day** on 30th December
2021 by taking Guest Lecture.
3. Planning was done to execute certificate course in Drawing and Painting in the
tentative period of 31/05/2022 to 10/06/2022.
4. Discussion done on completion of syllabus in stipulate time .

The following staff member was present

1) Prof.Shinde V.S.



(Mr. Shinde V.S.)



I/c.Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

**Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.**

Department of Mathematics

Action Taken Report

Department of Mathematics conducted departmental meeting on 28/12/2021 in academic year 2021-22. So many resolutions were finalized at there as follows.

Sr. No.	Resolution	Action taken
1.	It was resolved to conduct Internal Examinations, Problem Solving Session, Students seminar and test under CIE.	As per resolution Problem Solving Session, Test and seminar have been organized for students.
2.	It was resolved to conduct guest lecture on National Mathematics Day.	Guest Lecture were organized through Google Meet Platform.
3.	It was decided to take extra lectures for completing Syllabus in Stipulated Time.	Each faculty member completed his syllabus in stipulated time.

(Signature)

(Mr. Shinde V.S.)

(Signature)

**I/c.Principal
K.N.Bhise Arts,Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare,Dist-Solapur**

K.N.Bhise Arts, Commerce and Vinayakrao Patil Science College, Bhosare

Department of Zoology

A meeting of the teacher of department of Zoology is arranged on 22/6/2021 at 11.00 a.m. in the meeting hall under the chairmanship of Dr.R.R. Patil sir. The following topics are discussed in the meeting.

- 1) Distribution of Syllabus for Semester I and Semester III.
- 2) Planning for conduction of theory and practicals.
- 3) Conduction of internal test and home assignments
- 4) Celebration of various days during the academic year.

K.N.Bhise Arts, Commerce and Vinayakrao Patil Science College, Bhosare

Department of Zoology

A meeting of the teacher of department of Zoology is arranged on in the meeting hall under the chairmanship of Dr.R.R. Patil sir. The following topics are discussed in the meeting.

Action taken report

- 1) All the syllabus distributed in the teachers.
- 2) All the theory and practicals conducted online/ offline as per given time table.
- 3) All the CA conducted as per time table, home assignments collected in given time.
- 4) Internal test conducted and assessment of paper done.
- 5) Science day, teacher day, AIDS day celebrated by students.
- 6) Conducted online webinar for students.

Madha Taluka ShikshanPrasarak Mandal's
**K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL
SCIENCE COLLEGE, VIDYANAGAR, BHOSARE**
NAAC Re-accredited 'A' Grade
Paranda Road, Kurduwadi Tal-MadhaDist-Solapur Pin-413 208 (Maharashtra)

RefNo. KNBACVPSCVB/

Date:19/10/2021

Department of Botany

NOTICE

This is to inform all the teachers of Botany Department that a meeting is scheduled on 20/10/2021 at 11.00 AM at Principal cabin for discussion about the Various activities to be held in our department in this academic year 2021 - 2022.



I/c.Principal
K.N.Bhise Arts,Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare,Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's
**K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL
SCIENCE COLLEGE, VIDYANAGAR, BHOSARE**

NAAC Re-accrdited 'A' Grade
Paranda Road, Kurduwadi Tal-MadhaDist-Solapur Pin-413 208 (Maharashtra)

RefNo. KNBACVPSCVB/

Date : 20/10/2021

Department of Botany

Department of Botany has organized a online meeting for all the faculty members of Botany Department for discussion and planning of all the activities and extension programmes to be held under this department in the academic year 2021 - 2022.

Agenda of Meeting

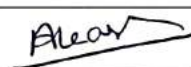
- 1) Discussion on the academic calendar provided by the college and identifying the programmes that could be conducted in Botany Department in 2021-22.
- 2) Discussion on which Certificate course is to be conducted in current academic year.
- 3) Discussion on when should be these courses be held in the Department.
- 4) Discussion on how syllabus should be covered in the carona period.
- 5) To allot the responsibilities of various courses and define role of each faculty member in the concerned course.
- 6) To decide which extension activities are to be conducted in the department.


Minutes of the Meeting :

A online meeting on 20/10/2021 at 11.00 am was held for discussion on various activities, courses and study tours to be conducted in the academic year 2021-22. All the faculty members of the department were present for the meeting. This Meeting was headed by Principal Dr. P. S. Kamble sir.

Discussions were held between the faculty members and various programmes to be held in the current academic year were finalized and are as follows:

- 1) A Certificate course in Nursery is to be conducted and for that proposal to IQAC and CDC of the college is to be done.
- 2) In B.Sc I and B. Sc II syllabus is to be completed in the online classes and for that a Google Classroom should be made.
- 3) Internal Exams and CIE is to conducted online till Lockdown persists

Sr. No	Name of Faculties participated in the Meeting	Signature
1	Prof. Goyal A. M.	


I/c.Principal
K.N.Bhise Arts,Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare,Dist-Solapur

**Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College
Vidyanagar, Bhosare**

Department of Commerce

Notice

All the faculty member of the department of Commerce are hereby informed that departmental meeting will be held on 02/08/2021 at 11.00 am at Department of Commerce so all faculty member are requested to attend the Meeting.

Agenda of the Meeting

1. Plan the Time table,
2. Distribution, Syllabus
3. Workload distribution,
4. Academic calendar,
5. Planning for Certificate course
6. Planning for Online guest lecture

**Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College
Vidyanagar, Bhosare**

Department of Commerce

Notice

All the faculty member of the department of Commerce are hereby informed that departmental meeting will be held on 03/02/2022 at 11.00 am at Department of Commerce so all faculty member are requested to attend the Meeting.

Agenda of the Meeting

1. Certificate course
2. Online guest lecture
3. Internal Examination

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College
Vidyanagar, Bhosare

Department of Commerce

Minutes of the Meeting

Year 2021-22

Departmental meeting related to Time table, Syllabus distribution, workload distribution, Academic calendar, Certificate course and guest lecture was held on 02/08/2021 at 11.00am at Department of Commerce. Following staff members were present for the meeting.

The Minutes of the meeting is following.

In this Meeting the following points are finalized

- i) Discussion on Departmental time table for academic year 2021-22 was done.
- ii) Resource persons and tentative Dates of Online Guest lecture were finalized
- iii) Academic calendar was prepared.
- iv) Syllabus was distributed among the staff.
- v) Departmental workload and papers were distributed.
- vi) Date and Topic were discussed for the certificate course of academic year 2021-22.

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College
Vidyanagar, Bhosare

Department of Commerce

Minutes of the Meeting

Year 2021-22

Departmental meeting related to online guest lecture was held on 03/02/2022 at 11.00 am at Department of Commerce. Following staff members were present for the meeting.

The Minutes of the meeting is following.

In this Meeting the following points are finalized

- i) Resource persons and tentative Dates of Online Guest lecture were finalized for second term of the academic year 2021-22.
- ii) Discussion was done about final Documents and report of certificate course.
- iii) Internal Examination and College Assessment for 2021-22

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College
Vidyanagar, Bhosare

Department of Commerce

Year 2021-22

Date: 04-05-2022

Department of Commerce conducted two departmental meeting in academic year 2021-22, so many resolutions were finalized at there.

Action Taken Report

Sr. No.	Resolution	Action taken
1.	It was resolved to prepare Departmental time table for the current academic year	All the members prepared the time table.
2.	It was resolved to conduct online guest lecture	Online Guest Lecture were organized as per decided in Departmental Meeting.
3.	It was resolved to prepare Departmental Academic Calendar for the current academic year	Head and Assistance of Department prepared Academic Calendar for current academic year.
4.	It was decided to allot Paper as per workload	As per the resolution the action has been taken.
5.	It was resolved to conduct Students seminar and Tutorial test under CIE.	As per resolution online seminar and Test have been organized for students.

Madha Taluka Shikshan Prasarak Mandal's
**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare**

1.1.1

The instruction ensure effective curriculum delivery through a well planned and documents process

Departmental Academic Calendar

Index

Sr. No.	Name of the subject	Sub-File Name	Page No.
1	English	C	2
2	Hindi		4
3	History		5
4	Geography		6
5	Marathi		7
6	Economics		8
7	Physics		9
8	Chemistry		10
9	Microbiology		14
10	Mathematics		15
11	Zoology		16
12	Botany		17
13	Commerce		18

**Madha Taluka Shikshan Prasarak Mandal's,
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar,
Bhosare**

**Department of English
Academic Plan
2021-22**

Sr. No.	Name of the activity	Date/ Month	Particulars
1	Departmental Meeting	December-2021	Distribution of Workload
		March-2022	Discussion on planning of activities on result
		May-2022	Tour
		June-2022	Plan for next Year
2	Guest Lectures	May-2022	On Syllabus
		June-2022	On Syllabus
		June-2022	Career Opportunities
3	Certificate Course	April-2022	Spoken English Soft Skills
		May-2022	Functional English
4	Activities	Jan-2022	Literary Association
		Feb-2022	Seminar on Syllabus
		Jan-2022	Essay Writing Competition
5	Internal Test/CIE	March-2022	Test on Syllabus
		April-2022	Test on Syllabus
6	Tour/Visit	May-2022	Tour
7	Social Activities	May-2022	Swacha Bharat Abhiyan
		Jan-2022	Beti Bachao Abhiyan
8	Workshop/Conference	June-2022	Workshop on Syllabus
		April-2022	International Conference
9	Special Days Celebration	26 April 2021	Shakespeare's Birth Anniversary
		June-2022	Send Off/Farewell
10	Projects	Feb-2022	Literacy of English

11. Equipment-	LCD Project -1	
-	Internet Facility	
-	LED Bulbs -2	
-	Printer -1	
-	White Board	
-	Stationary	
12. Budget	Text Books	- 5000/-
-	Reference Books	- 5000/-
-	Other	-500/-
	Total	-10500/-


 Head, Department of English
 KNBAC & VPS College, Bhosare

K . N .Bhise Arts Commerce and Vinayakrao Patil Science College Vidyanagar Bhosare

Dept. of Hindi
Departmental Calendar
Year 2021-22

Sr.No.	Months	Program
1.	June	Admission Process
2.	July	Admission Process Departmental Meeting
3.	August	Admission Process Mentor Mentee Meeting Online Teaching
4.	September	Hindi day ,Hindi General Knowledge Test , Essay Writing Guest Lecturer , Elocution Competition. Online Teaching
5.	October	Test ,Online Teaching
6.	November	Exam College Internal online test
7.	December	, CIE Test. Departmental Meeting
8.	January	, CIE Test. Syllabus Workshop International Hindi Day -Essay Competition. Test Series
9.	February	College,Online Practice Test--Hindi Pratisthan Mentor Mentee Meeting
10.	March	Celebration of Women's day , , CIE Test Test.Post Office Visit Hindi Seminar
11.	April	Hindi Anuwad Course , Test, Exam Guest lecture,
12.	May	Bank Visit ,Internal test, Project Work Rojgarparak Hindi

M.S. Salote
Head, Department of Hindi
KNBAC & VPS College Rhosare

Bhise
I/c.Principal
K.N.Bhise Arts,Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare,Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar Bhosare

Department of History

Departmental Academic Calendar
Year- 2021-22

Sr. No.	Month	Activity
1	August, 2021	Admission Process Online Guest lecture on 9 th August Kranti din
2	September, 2021	Teachers Day
3	October, 2021	Online Program on The Gandhi Jayanti
4	November, 2021	Online Inauguration of History Forums
5	December, 2021	Semester Exam
6	January, 2022	, Online Guest Lecture on Vivekananda Jayanti,
7	February, 2022	Online Guest lecture on Shivjayanti
8	March, 2022	Student's Seminar on Savitribai Phule Jayanti , Inauguration of Certificate Course Online Guest lecture on Women's day
9	April, 2022	Allotment of Field Project to the students
10	May, 2022	Online Guest lecture on International Labour Day
11	June, 2022	Semester Exam

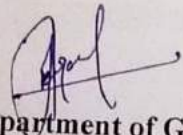

Head, Department of History
KNBAC & VPS College, Bhosare.



I/c. Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

MADHA TALUKA SHIKSHAN PRASARAK MANDAL'S
K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL SCIENCE COLLEGE,
BHOSARE, KURDUWADI
DEPARTMENT OF GEOGRAPHY
Academic Calendar 2021-22

Month wise departmental Activities

Sr. No.	Months	Curricular Activities	Co-Curricular Activities
1	August	Departmental Meeting- regarding Admission process, Time Table, work distribution.	-
2	September	-	-
4	October	-	-
5	November	Organized Certificate Course on Q.GIS	-
	December	-	-
1	January	CIE Internal Exam offline	1. Guest lecture on Career in Geography and Geoinformatics, 2. State level Quest Competition on Occasion of Geography Day.
2	February	C.A Internal Exam offline	
3	March	U.A. Exam and Distribution of project work	-
4	April	-Field work of project	-
5	May	Study Tour and CIE Internal Exam offline	Cleaning of Raigad Fort
6	June	Departmental Meeting- regarding Syllabus Completion, Project work completion, Practical Examination	Guest Lecture on the Occasion of world Environmental Day


Head Department of Geography
Head. Department of Geography


I/c.Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar Bhosare

Department of Marathi

Departmental Academic Calendar Year- 2021-22

Sr. No.	Month	Activity
1	August, 2021	Admission Process
2	September, 2021	Teachers Day
3	October, 2021	Online Class test
4	November, 2021	Online Inauguration of Marathi Forums
5	December, 2021	Semester Exam
6	January, 2022	Online Guest Lectures, Activity on "Marathi Bhasha Sanvardhan Pandharwada".
7	February, 2022	Online State Leavel 'Kavya Sammelan", Online Class test B.com - I
8	March, 2022	Student's Seminar , Inauguration of Certificate Course ,Book Review
9	April, 2022	Class tests
10	May, 2022	Inauguration of Certificate Course, Students Seminar
11	June, 2022	Semester Exam



Head, Department of Marathi
KNBAC & VPS College, Bhosare.

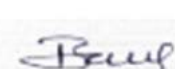

I/c. Principal
K.N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Department of Physics

**** ACCADEMIC CALENDER 2021-22***

Month	Activity
June 2021	Departmental meeting, Admission process, Time table of theory
July 2021	Departmental meeting, CHB allocation, Time table of practical batches,
August 2021	Departmental meetings, Inauguration of Club, Guest lecture for different activities,
September 2021	Celebration of Teachers day, To arrange guest lectures, Unit test No.1, model question papers solution, Departmental meeting
October 2021	NAAC preparation, Departmental meetings,
November 2021	Students project, Staff meeting, Departmental meeting
December 2021	Students project completion, Attending different conferences, Departmental meeting
January 2022	Revision of syllabus, Departmental meetings, Unit test No.2,
February 2021	Internal exams, Science day celebration, organization of exhibition, Departmental meeting
March 2022	Guest lectures for different activities, model question papers solution, Revision of the syllabus, University examination,
April 2022	Staff meeting, Seminars of III yr., Industrial visits/ Study tours/ Conference attending
May 2022	Preliminary practical examination, Unit Test 3
June 2022	Revision of the syllabus, Internal exams, Departmental meetings, University practical examination Departmental meeting. Term end meeting


Head, Department of Physics
KNBAC & VPS College, Bhosare.


I/c.Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

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K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare
 Paranda Road, Kurduwadi Tal-Madha Dist-Solapur Pin-413 208 (Maharashtra)


Department of Chemistry
Academic Calendar
Year 2021-2022

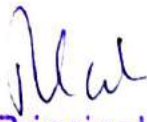
Sr.No.	Month	Class B.Sc.	Tentative Date	Activities
1	June	-	last week	Departmental meeting
			last week	Departmental activity
2	July	I,II,III	Online Exam	-
3	August	I	Last week	Admission Process
		II	Last week	Admission process
		III	Last week	Admission process
4	September	I	Second week	Bridge Course
		II	Second week	Bridge Course
		III	5 Sept. 2021	Celebration of teachers day
		I, III	16/09/2021	Environmental awareness activity
5	October	III	Last week	Inauguration of chemistry study association
		I	Second week	Unit test
		II	Third week	Unit test
		III	Third week	Unit test
			Third week	Departmental meeting
6	November	I	Second week	Student oriented activity Poster on periodic table
		II	Second week	Student oriented activity
		III	Second week	Student oriented activities
		III	(second week)	Certificate Course
7	December	I, III	First week	Unit test

Madha Taluka Shikshan Prasarak Mandal's
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Vidyanagar, Bhosare

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		II	Second week	Unit test
		I, III	Third week	Unit test
		III	Last week	Extension activity
8	January	I	First	Remedial lecture Lectures for slow learners
		II	Second	Remedial lectures
		III	First	Soft skill development (Guest lecture)
		III	First	Study tour
		I, II, III	Last week	University examination work
9	February		First week	Departmental meeting
				Result analysis
			Second week	Value added course
			Second week	Guest Lecture
		I	Third week	CIE
		II	Third week	CIE
		III	Third week	CIE
		I, II & III	28/02/2022	Celebration of National Science Day


Head, Department of Chemistry
KNBAC & VPS Solapur, Bhosare.


Principal
K. N. Bhise Arts, Comm. & Vinayakrao
Patil Science College,
Vidyanagar Bhosare, Dist. Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare
Department of Chemistry
Time Table 2021-2022

Time	Class/Day	Mon	Tue	Wed	Thu	Fri	Sat
08:00 to 08:48	B. Sc - I	-	-	-	-	-	-
	B. Sc- III	SPP	SPP	DMK	MMP	MMP	DMK
08:48 to 09:36	B. Sc- I	MMP	MMP	VSS	VSS	VSS	-
	B. Sc- III	VSS	AIT	AAP	AAP	TBL	VSS
09:36 to 10:24	B. Sc- I	-	-	-	-	-	-
	B. Sc- III	Test SPP/TBL	Seminar MMP/ DMK	Certificate course VSS	Eng	Eng	Eng
10:24 to 11:12	B. Sc - I	-	-	-	-	-	-
	B. Sc- III	AIT/ MMP	-	-	-	-	-
12:20 to 1:08	B.Sc.-II	AAP	AAP	SPP	SPP	-	-
1:08 to 1:56	B.Sc.-II	-	-	-	-	-	SPP
1: 56 to 2.44	B.Sc.-II	-	-	-	-	AAP	-

[Signature]

Head, Department of Chemistry
 KNBAC & VPS College, Bhosare.



[Signature]

Principal
 K. N. Bhise Arts, Comm. & Vinayakrao
 Patil Science College,
 Vidyanagar Bhosare, Dist. Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare
Department of Chemistry
Time Table 2021-2022

Practicals

Time	Class/Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
11:32 to 02:44	B. Sc - I	MMP	DMK	AIT	AAP	TBL	VSS
	B. Sc- III	SPP	AIT	VSS	DMK	AAP	MMP
08:00 to 11:15	B. Sc - II	DMK	VSS	MMP	TBL	SPP	SPP
Teachers Name	VSS	SPP	MMP	AAP	DMK	AIT	TBL
Th.	06	06	06	05	03	02	02
Pr.	13	13	13	09	13	09	08
Total	19	19	19	14	16	11	10

VSS : Mrs. Vandana Sandipan Shinde

SPP : Mr. Shankar Pralhadrao Phulwale

MMP: Mr. Madanrao Mohanrao Patil

AAP : Dr. Amol Abhimanyu Patil

DMK: Miss. Dipali Madhav Kumbhar

AIT : Miss. Alisha Iqbal Tamboli

TBL : Tejaswi Bodhraj Lungase



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Head, Department of Chemistry
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Department of Microbiology

Academic Plan 2021-22

Curricular, Co curricular and Extracurricular activities

Sr. no	Month	Activity
1	July	<ul style="list-style-type: none">Result analysis of previous yearTo conduct bridge course for B.Sc.I year student.
2	August	<ul style="list-style-type: none">To conduct CIEInauguration of Microbiologist Society, India Student unitTo arrange student seminar every ThursdayDepartmental Meeting will be held on second Friday of month
3	September	<ul style="list-style-type: none">To conduct CIETo arrange student seminar every Thursday
4	October	<ul style="list-style-type: none">To conduct unit test for B.Sc.I and B.Sc.II & III yearTo arrange student seminar every Thursday
5	December	<ul style="list-style-type: none">To arrange student seminar every ThursdayDepartmental Meeting will be held on second Friday of the month
6	January	<ul style="list-style-type: none">To conduct CIETo arrange student seminar every Thursday
7	February	<ul style="list-style-type: none">Departmental Meeting will be held for discussion of status of certificate courseTo Run a certificate course on Clinical Microbiology.To conduct Pre semester examination
8	March	<ul style="list-style-type: none">Completion of Certificate course in Clinical Microbiology and distribution of certificates.
9	April	<ul style="list-style-type: none">To prepare and submission of all documents to IQAC required for NAAC.
10	May	<ul style="list-style-type: none">To organize food festival for advance learner



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Department of Mathematics
Academic Calendar (2021-22)

Sr. No.	Month	Activity
1.	June	
2.	July	On line Departmental Meeting
3.	August	Admission Process
4.	September	Admission Process
5.	October	Online Classes
6.	November	Online Classes
7.	December	Unit Test
8	January	Unit Test Internal Examination
9.	February	On line Departmental Meeting
10.	March	Certificate course
11.	April	Unit Test
12	May	Unit Test
13	June	Internal Examination
		On line Departmental Meeting


(Mr. Shinde V.S.)


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MADHA TALUKA SHIKSHAN PRASARAK MANDAL'S
K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL SCIENCE
COLLEGE, BHOSARE
Department of Zoology

Academic Calendar 2021-22

Sr. no	Month	Activity
1	July	
2	August	
3	September	Prepare departmental calendar to conduct B.Sc.I and B.Sc. II Theory and practicals.
4	October	Planning for celebration of National AIDS Day
5	December	Planning to conduct State level seminar on Plastic Pollution in Tourism places
6	January	Conduct internal unit test for B.Sc. I and B.Sc. II, Planning to conduct
7	February	Planning to celebrate National Science Day Theory and Practical conduction ,
8	March	Theory and practical conduction
9	April	Theory and practical conduction continue
10	May	Theory and practical conduction , College assessment of theory and practical
11	June	Preparation and conduction of University practical examination for B.Sc. I and B.Sc. II



Head
Department of Zoology



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**K. N. Bhise Arts And Commerce and Vinayakrao Patil Science College ,
Vidyanagar, Bhosare**

DEPARTMENT OF BOTANY

Academic Plan 2021 - 22

Sr No	Month	Activities
1	November	1) Bridge course for B.Sc I and B. Sc II Students
2	December	1) General Test on covered syllabus for F.Y.B.Sc 2) General Test on covered syllabus for S.Y.B.Sc 3) One day Shramdan for caring Campus Plants. 4) Mentor Mentee meetings in second week
3	January	1) Lectures for Slow Learners
4	February	1) Pre- semester Test on full syllabus for F.Y.B.Sc 2) Pre- semester Test on full syllabus for S.Y.B.Sc 3) Lectures for Fast Learners 4) Remedial teaching for Students reappearing exams 5) Mentor Mentee meetings in second week
5	March	1) Arrangment of a one Day Study tour for F.Y. B. Sc
6	April	1) General Test on covered syllabus for F.Y.B.Sc 2) General Test on covered syllabus for S.Y.B.Sc 3) Mentor Mentee meetings in second week 4) Lecture on soft skill development 5) Starting Certificate course in Nursery
7	May	1) Remedial teaching for Students reappearing exams 2) Mentor Mentee meetings in second week 3) Lecture on soft skill development 4) Arrangment of a Study tour for S.Y. B. Sc

Alan
Subject teacher

Prady
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Vidyanagar Bhosare,Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare

Department of Commerce

Workload Chart

Year 2021-22

Name of the Faculty	Class	Theory	Practical	Total
Mr. Narkhade Prashant	B.Com I	04	--	04
Kamalakar	B.Com II	04	--	04
	B.Com III	08	--	08
				16

Name of the Faculty	Class	Theory	Practical	Total
Dr. Chandane Shridevi Naganath	B.Com I	04	--	04
	B.Com II	08	--	08
	B.Com III	04	--	04
				16

Name of the Faculty	Class	Theory	Practical	Total
Adv. Nitanjali Naganath	B.Com I	--	--	--
Rajmane	B.Com II	--	--	--
	B.Com III	04	--	04
				04

B. N. B.
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**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
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**Department of Commerce
Departmental Plan for Academic Year 2021-22**

Sr. no	Month	Activity
1	June	<ul style="list-style-type: none">• Departmental Meeting• Admission Process of B.Com. I, II, III• To prepare the Time table for teaching of B.Com. I, II and III year• Distribution of Syllabus to faculty
2	July	<ul style="list-style-type: none">• Analysis of Result of Various Examinations• Departmental Meeting will be held on second Friday of the month
3	August	<ul style="list-style-type: none">• To conduct Bridge Course for B. Com. I year• Departmental Meeting will be held on second Friday of the month• To conduct CIE (internal test)
4	September	<ul style="list-style-type: none">• Departmental Meeting will be held on second Friday of the month• To organize Guest Lecture on Soft Skill in Management for B.Com. students• To conduct CIE (internal test)• To Conduct Internal College Assessment Examination
5	October	<ul style="list-style-type: none">• To conduct remedial classes for B. Com. II year• To conduct semester examination• Departmental Meeting will be held on second Friday of the month


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6	December	<ul style="list-style-type: none"> • Departmental Meeting will be held on second Friday of the month • To conduct CIE (internal test)
7	January	<ul style="list-style-type: none"> • Semester Examination Result analysis for B. Com. I, II and III year. • To organize Guest Lecture on Career Guidance for B.Com. students • To run a certificate course • To Celebrate National Youth Day • Departmental Meeting will be held on second Friday of the month
8	February	<ul style="list-style-type: none"> • Departmental Meeting will be held on second Friday of every month • To Conduct Internal College Assessment Examination • Completion of Certificate course
9	March	<ul style="list-style-type: none"> • Guest lecture on competitive exams for post-graduation • To conduct semester examination
10	April	<ul style="list-style-type: none"> • To prepare and submission of all documents to IQAC required for NAAC.

Head
Department of Commerce

K. N. Bhisre
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1.1.1

The instruction ensure effective curriculum delivery through a well planned and documents process

E-1 Annual Teaching Plan

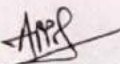
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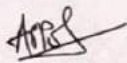
Sr. No.	Name of the subject	Sub-File Name	Page No.
1	English	E	2
2	Hindi		22
3	History		38
4	Geography		56
5	Marathi		73
6	Economics		99
7	Physics		128
8	Chemistry		137
9	Microbiology		157
10	Mathematics		176
11	Zoology		186
12	Botany		194
13	Commerce		198

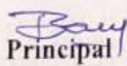
Teaching Plan for the Year 2021-2022

Name of the Teacher: Dr. Anupama Prakash Pol		Class and Sem.	B. A. III Sem. V
Subject	English	Title and Paper No. IX	Indian English Literature

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theor y	Practical	
1	August	Syllabus Discussion Unit 1: General Topics Salient Features of Modern Indian English Poetry Salient Features of Modern Indian English Drama	15	0	Lecture, Interactive, ICT
2	Sept.	Unit 2: Poems Nissim Ezekiel - Poet, Lover, Bird-watcher Arun Kolhatkar - Between Jejuri and Railway Station Shiv K Kumar - Letter from New-York Jyanta Mahapatra - Dawn at Puri A. K. Mehrotra - Letter to a Friend	15	0	Lecture, Interactive, ICT
3	Oct.	Unit 3: Drama Mahesh Elkunchwar - Garbo	15	0	Lecture, Interactive, ICT
4	Nov.	Unit 4: Novel Arun Joshi - The Foreigner	15	0	Lecture, Interactive, ICT


Teacher


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Head, Department of English
KNBAC & VPS College, Bhosare,


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Teaching Plan for the Year 2021-2022

Name of the Teacher: Dr. Anupama Prakash Pol		Class and Sem.	B. A. III Sem. VI
Subject	English	Title and Paper No. XIV	Indian English Literature

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theor y	Practical	
1	March	Syllabus Discussion Unit 1: General Topics Salient Features of Post-Modern Indian English Poetry Salient Features of Post-Modern Indian English Novel	15	0	Lecture, Interactive
2	April	Unit 2: Poems A.K. Ramanujan - Looking for a Cousin on a Swing Dilip Chitre - Felling of Bunyan Tree Eunice De Souza - Feeding the Poor at Christmas Manohar Shetty - Animal Planet Mamta Kalia - Tribute to Papa	15	0	Lecture, Interactive, ICT,
3	May	Unit 3: Drama Girish Karnad - Nagamandala	15	0	Lecture, Interactive, ICT,
4	June	Unit 4: Jhumpa Lahiri - The Namesake	15	0	Lecture, Interactive, ICT,

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Teacher

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Head

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Principal

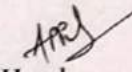
Head, Department of English
KNBAC & VPS College, Bhosare.

Teaching Plan for the Year 2021-2022

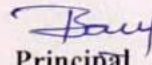
Name of the Teacher: Dr. Anupama Prakash Pol		Class and Sem.	B. A. III Sem. V
Subject	English	Title and Paper No. XI	Introduction to the Structure and Function of Modern English

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	Syllabus Discussion Unit 1: Words Open and Closed Word Classes Analysis of Open and Closed Word Classes	15	0	Lecture, Interactive, ICT Problem Solving
2	Sept.	Unit 2: Phrases Main and Subordinate Phrase Classes of Phrase Analysis of Phrases	15	0	Lecture, Interactive, ICT Problem Solving
3	Oct.	Unit 3: Clauses Elements of Clause Classification of Clauses Subordinate Clauses Finite and Non-Finite Subordinate Clause Types of Main Clause Active and Passive Clause	15	0	Lecture, Interactive, ICT Problem Solving
4	Nov.	Unit 4: Communicative Concepts Statements, Questions and Responses Denial and Affirmation Agreement and Disagreement Degrees of Likelihood	15	0	Lecture, Interactive, ICT Problem Solving


 Teacher


 Head

Head, Department of English
 KNBAC & VPS College, Bhosare.

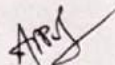

 Principal

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 K.N. Bhise Arts, Commerce &
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Teaching Plan for the Year 2021-2022

Name of the Teacher: Dr. Anupama Prakash Pol		Class and Sem.	B. A. III Sem. VI
Subject	English	Title and Paper No. XVI	Introduction to the Structure and Function of Modern English

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March	Syllabus Discussion Unit 1: Subordination and Coordination Classification of Subordinate Clause Direct and Indirect Subordination Coordination	15	0	Lecture, Interactive, ICT Problem Solving
2	April	Unit 2: Basic and Derived Structures Missing Elements Split Constituents Double Analysis Style and Structure of Changing Rules	15	0	Lecture, Interactive, ICT Problem Solving
3	May	Unit 3: Discourse Analysis Mode: Speech and Writing Tenor: Tenor and Discourse Domain: Domain and Discourse	15	0	Lecture, Interactive, ICT Problem Solving
4	June	Unit 4: Describing Emotions Friendly Communications Permission and Obligation Influencing People	15	0	Lecture, Interactive, ICT Problem Solving


Teacher


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KNBAC & VPS College, Bhosare.


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Madha Taluka Shikshan Prasarak Mandal's
K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL SCIENCE COLLEGE,
VIDYANAGAR, BHOSARE
NAAC Re-accredited 'B' Grade
 Paranda Road, Kurduwadi Tal-Madha Dist-Solapur Pin-413 208 (Maharashtra)

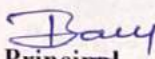
Teaching Plan for the Year 2021-22

Name of the Teacher: Dr. A. P. Pol		Class and Sem.	B. A. III Sem. V
Subject	English (C)	Title and Paper No.	Literary Landscapes- I (English Comp.)

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	Syllabus Discussion 1. The Gift of the Magi by Henry 2. The Homecoming by Tagore	15	0	Lecture, Interactive, ICT
2	Sept.	1. The Solitary Reaper by Wordsworth 2. The Queen's Rival by Naidu 3. The Village Schoolmaster by Goldsmith	15	0	Lecture, Interactive, ICT
3	Oct.	1. The Road Not Taken by Frost 2. Active and Passive Life 3. Phrasal Verbs	15	0	Lecture, Interactive, ICT,
4	Nov.	1. 21 st Century Skills 2. Types of 21 st Century Skills 3. Learning Skills (The 4 C's)	15	0	Lecture, Interactive, ICT,


Teacher

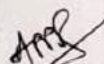

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Head, Department of English
KNBAC & VPS College, Bhosare.

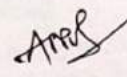

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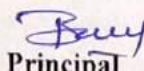
Teaching Plan for the Year 2021-2022

Name of the Teacher: Dr. A. P. Pol		Class and Sem.	B. A. III Sem. VI
Subject	English (C)	Title and Paper No.	Literary Landscapes- II (English Comp.)

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March	Syllabus Discussion 1. Growing Up by Cary 2. God Sees the Truth but Waits	15	0	Lecture, Interactive
2	April	1. Sita by T. Dutt 2. My Last Duchess by Browning 3. Ode to Beauty by Keats	15	0	Lecture, Interactive, ICT
3	May	1. Life by Bronte 2. Adverbials 3. Direct and Indirect Speech	15	0	Lecture, Interactive, ICT
4	June	1. Literacy Skills (IMT) 2. Life Skills (FLIPS) 3. Other Important Skills	15	0	Lecture, Interactive, ICT


Teacher

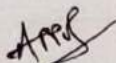

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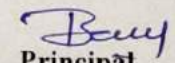
Teaching Plan for the Year 2021-22

Name of the Teacher: Dr. Anupama Prakash Pol		Class and Sem.	B. A. II Sem. III
Subject	English (Opt.)	Title and Paper No. IV	Indian Writing in English

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	Syllabus Discussion General Topics: Characteristic features of Post-independence Indian Drama	15	0	Lecture, Interactive, ICT,
2	Sept.	Drama: Mahesh Dattani: Bravely Fought the Queen	15	0	Lecture, Interactive, ICT,
3	Oct.	Drama: Mahesh Dattani: Bravely Fought the Queen	15	0	Lecture, Interactive, ICT,
4	Nov.	Poems: 1. The Bus- Arun Kolhatkar 2. A Hot Noon in Malabar- Kamala Das 3. Round and Round – Vikram Seth 4. Another Woman – Imtiaz Dharker 5. Postcard From Kashmir – Agha Shahid Ali	15	0	Lecture, Interactive, ICT,


Teacher

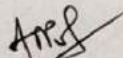

Head
Head, Department of English
KNBAC & VPS College, Bhosare.

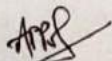

Principal
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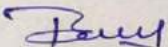
Teaching Plan for the Year 2021-22

Name of the Teacher: Dr. Anupama Prakash Pol		Class and Sem.	B. A. II Sem. IV
Subject	English (Opt.)	Title and Paper No. VI	Indian Writing in English

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March	Syllabus Discussion General Topics: Salient Features of Post-Independence Indian English Novel	15	0	Lecture, Interactive, ICT,
2	April	Novel: That Long Silence: Shashi Deshpande	15	0	Lecture, Interactive, ICT,
3	May	Novel: That Long Silence: Shashi Deshpande	15	0	Lecture, Interactive, ICT,
4	June	Poems: 1. On Killing A Tree- Gieve Patel 2. The Purdah Nashin- Sarojini Naidu 3. Philosophy- Nissin Ezekiel 4. Obitury-A.K. Ramanujan 5. Pilgrimage- Shiv K. Kumar	15	0	Lecture, Interactive, ICT,


Teacher

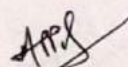

Head
Head, Department of English
KNBAG & VPS College, Bhosare.



Principal

TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher: Dr. Anupama Prakash Pol		Class and Sem.	B. A. I Sem. I
Subject	English	Title and Paper No. I	Introduction to Literature (Optional)

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	Syllabus Discussion Unit 1: General Topics 1.Elements of Short Story 2. Forms of Poetry	15	0	Lecture, Interactive, ICT,
2	Sept	Unit 2: Poems 1. Mending Wall 2. Caged Bird 3. Where the Mind is without Fear 4. How Do I Love Thee?	16	0	Lecture, Interactive, ICT,
3	Oct.	Unit 2: Poems 5. Ozymandias Unit 3: Short Stories 1. The Crooked Man 2. The Beggar	06 10	0	Lecture, Interactive, ICT,
4	Nov.	Unit 3: Short Stories 3. The Three Questions 4. Engine Trouble Revision	13 02	0	Lecture, Interactive, ICT,


Teacher


Head

Head, Department of English
KNBAC & VPS Collage, Bhosare.

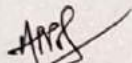

Principal

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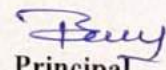
Teaching Plan for the Year 2021-22

Name of the Teacher: Dr. Anupama Prakash Pol		Class and Sem.	B. A. I Sem. II
Subject	English	Title and Paper No. II	Introduction to Literature (Optional)

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March	Syllabus Discussion Unit 1: General Topics 1. Elements of One Act Play	15	0	Lecture, Interactive
2	April	Unit. 2 One Act Play 1. A Marriage Proposal 2. The Boy Comes Home 3. The Monkey's Paw	16	0	Lecture, Interactive, ICT, Screening of the movie of the text
3	May	Unit. 2 One Act Play 3. The Man with the Flower in his Mouth Unit. 3 Literary Terms Simile, Metaphor, Imagery, Personification, Contrast	06 10	0	Lecture, Interactive, ICT
4	June	Unit. 3 Literary Terms Allegory, Narrative Technique, Symbolism, Soliloquy, Monologue, Aside, Setting Revision	13 02	0	Lecture, Interactive, ICT,


Teacher


Head


Principal

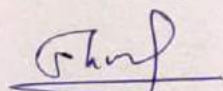
Head, Department of English
KNBAC & VPS College, Bhosare.

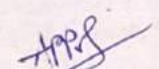
I/c. Principal
K.N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist. Solapur

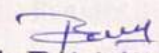
Teaching Plan for the Year 2021-2022

Name of the Teacher: Dr. Sachin Vaman Londhe		Class and Sem.	B. A. III Sem. V
Subject	English	Title and Paper No.	Literatures in English (X)

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	Syllabus Discussion I) General Topics: 1. Characteristic Features of the Russian Literature with reference to the Novel prescribed 2. Characteristic Features of the 20 th Century Dramas with reference to the work prescribed.	15	0	Lecture, Interactive, ICT
2	Sept.	II) Novel Leo Tolstoy: <i>War and Peace</i>	15	0	Lecture, Interactive, ICT
3	Oct.	III) Drama Tennessee Williams: <i>The Streetcar Named Desire</i>	15	0	Lecture, Interactive, ICT
4	Nov.	IV) Poems: 1. Pablo Neruda: <i>If You Forget Me.</i> 2. Amrita Pritam: <i>The Will</i> 3. Louise Gluck: <i>The Wild Iris</i> 4. Max Ehrmann: <i>Desiderata</i> 5. Czeslaw Milosz: <i>Account</i> 6. Edgar Allen Poe: <i>A Dream within a Dream</i> 7. Li Po: <i>Drinking Alone in the Moonlight</i>	15	0	Lecture, Interactive, ICT


Teacher

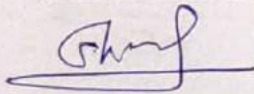

Head
Head, Department of English
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K.N.Bhise Arts, Commerce &
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Vidyanagar Bhosare, Dist-Solapur

Teaching Plan for the Year 2021-2022

Name of the Teacher: Dr. Sachin Vaman Londhe		Class and Sem.	B. A. III Sem. VI
Subject	English	Title and Paper No.	Literatures in English (XV)

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March	Syllabus Discussion I) Survey Topics: 1. Characteristic Features of Afro-American drama 2. A Psychological Thriller	15	0	Lecture, Interactive, ICT
2	April	II) Novel Paula Hawkins: <i>The Girl on the Train</i>	15	0	Lecture, Interactive, ICT
3	May	III) Drama: Lorraine Hansberry: <i>A Raisin in the Sun</i>	15	0	Lecture, Interactive, ICT
4	June	IV) Short Story: 1. William Somerset Maugham: <i>The Luncheon</i> 2. Guy de Maupassant: <i>The Necklace</i> 3. Sudha Murthy: <i>How I Taught My Grandmother to Read</i> 4. Franz Kafka: <i>Wedding Preparation in the Country</i> 5. Maxim Gorky: <i>Twenty-Six Men and a Girl</i>	15	0	Lecture, Interactive, ICT

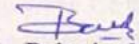


Teacher



Head

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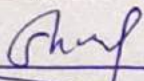
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

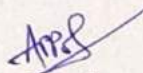
Madha Taluka ShikshanPrasarak Mandal's
K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL SCIENCE COLLEGE,
VIDYANAGAR, BHOSARE
NAAC Re-accredited 'B' Grade
 Paranda Road, Kurduwadi Tal-Madha Dist-Solapur Pin-413 208 (Maharashtra)

Teaching Plan for the Year 2021-2022

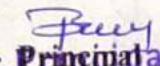
Name of the Teacher: Dr. Sachin Vaman Londhe		Class and Sem.	B. A. III Sem. V
Subject	English	Title and Paper No.	Introduction to Literary Criticism (VII)

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	Syllabus Discussion Unit no: 1. Literary Criticism: Definitions/Meaning, Nature, Function, Qualifications of a good literary critic	15	0	Lecture, Interactive, ICT
2	Sept.	Unit 2. Classical Criticism Aristotle: Theory of Imitation	15	0	Lecture, Interactive, ICT
3	Oct.	Unit 3. Neoclassical Literary Criticism Samuel Johnson's 'Preface to Shakespeare'	15	0	Lecture, Interactive, ICT
4	Nov.	Unit 4. Types of Criticism Comparative, Expressive, Feminist, Historical, Social, Textual, and Theoretical	15	0	Lecture, Interactive, ICT


Teacher


Head

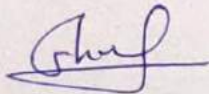
Head, Department of English
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Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Teaching Plan for the Year 2021-2022

Name of the Teacher: Dr. Sachin Vaman Londhe		Class and Sem.	B. A. III Sem. VI
Subject	English	Title and Paper No.	Introduction to Literary Criticism (XII)

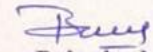
Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March	Syllabus Discussion Unit 1. Critical Approaches to Literature I. Biographical Approach to Literature. II. Psychological Approach to Literature. III. Sociological Approach to Literature	1	0	Lecture, Interactive
2	April	Unit 2. Romantic Criticism William Wordsworth's 'Preface to Lyrical Ballads' (1802)	15	0	Lecture, Interactive, ICT, Problem Solving
3	May	Unit 3. Twentieth Century Criticism T. S. Eliot's 'The Function of Criticism'	15	0	Lecture, Interactive, ICT, Problem Solving
4	June	Unit 4. Literary Devices/Terms Theme, Tone, Mood, Imagery, Symbols, Alliteration, Onomatopoeia, Repetition, Rhyme, Antithesis, Hyperbole, Pun, Metonymy, Climax, Anticlimax, Conceit	15	0	Lecture, Interactive, ICT, Problem Solving



Teacher



Head,
 Head, Department of English
 KNBAC & VPS College, Bhosare.



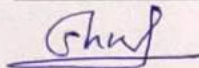
I/c. Principal

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 Vidyanagar Bhosare, Dist-Solapur

Teaching Plan for the Year 2021-22

Name of the Teacher: Dr. Sachin Vaman Londhe		Class and Sem.	B. Sc. III Sem. V
Subject	English (C)	Title and Paper No.	Literary Landscapes- I (English Comp.)

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	Syllabus Discussion 1. The Gift of the Magi by Henry 2. The Homecoming by Tagore	15	0	Lecture, Interactive, ICT
2	Sept.	1. The Solitary Reaper by Wordsworth 2. The Queen's Rival by Naidu 3. The Village Schoolmaster by Goldsmith	15	0	Lecture, Interactive, ICT
3	Oct.	1. The Road Not Taken by Frost 2. Active and Passive Life 3. Phrasal Verbs	15	0	Lecture, Interactive, ICT,
4	Nov.	1. 21 st Century Skills 2. Types of 21 st Century Skills 3. Learning Skills (The 4 C's)	15	0	Lecture, Interactive, ICT,



Teacher


Head

Head, Department of English
KNBAC & VPS College, Bhosare.

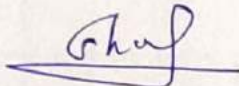

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K.N.Bhise Arts, Commerce &
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Teaching Plan for the Year 2021-2022

Name of the Teacher: Dr. Sachin Vaman Londhe		Class and Sem.	B. Sc. III Sem. VI
Subject	English (C)	Title and Paper No.	Literary Landscapes- II (English Comp.)

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March	Syllabus Discussion 1. Growing Up by Cary 2. God Sees the Truth but Waits	15	0	Lecture, Interactive
2	April	1. Sita by T. Dutt 2. My Last Duchess by Browning 3. Ode to Beauty by Keats	15	0	Lecture, Interactive, ICT
3	May	1. Life by Bronte 2. Adverbials 3. Direct and Indirect Speech	15	0	Lecture, Interactive, ICT
4	June	1. Literacy Skills (IMT) 2. Life Skills (FLIPS) 3. Other Important Skills	15	0	Lecture, Interactive, ICT


Teacher

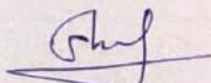

Head
Head, Department of English
KNBAC & VPS College, Bhosare.

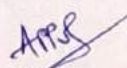

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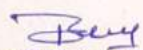
Teaching Plan for the Year 2021-22

Name of the Teacher: Dr. Sachin Vaman Londhe		Class and Sem.	B. A. II Sem. III
Subject	English (Opt.)	Title and Paper No.	British Literature (III)

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	Syllabus Discussion General Topics: Characteristic features of Comedy of Manners Literary Terms: • Canon of Literature • Flat and Round Characters • Biography and Autobiography • Confidant • Novel and Novella • Heroic Couplet. • Paradox • Pastoral • Poetic Justice • Poetic Diction	15	0	Lecture, Interactive, ICT, Problem Solving
2	Sept.	Drama: Oliver Goldsmith: She Stoops to Conquer	15	0	Lecture, Interactive, ICT, Problem Solving Screening movie of the Text
3	Oct.	Drama: Oliver Goldsmith: She Stoops to Conquer	15	0	Lecture, Interactive, ICT, Problem Solving, Screening movie of the Text
4	Nov.	Poems: 1. To His Coy Mistress - Andrew Marvell 2. Soldier - Rupert Brooke 3. No Second Troy - William Butler Yeats 4. Under the Greenwood Tree - William Shakespeare 5. Dover Beach - Matthew Arnold 6. Ode on a Grecian Urn - John Keats	15	0	Lecture, Interactive, ICT, Problem Solving


Teacher

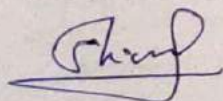

Head
Head, Department of English
KNBAC & VPS College, Bhosare.

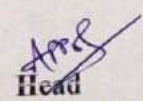

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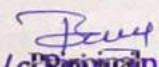
Teaching Plan for the Year 2021-22

Name of the Teacher: Dr. Sachin Vaman Londhe		Class and Sem.	B. A. II Sem. IV
Subject	English (Opt.)	Title and Paper No.	Introduction to Language

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March	Syllabus Discussion 1. Human Language and Animal Communication System. 1.1 Definitions of Language. 1.2 Characteristic features of human Language. 1.3 Animal Communication System. 1.4 Difference between Human Language and Animal Communication System	15	0	Lecture, Interactive, ICT, Problem Solving
2	April	2. Phonetics and Phonology 2.1 Phonetics and Phonology 2.2 Types of Phonetics- Articulatory, Auditory and Acoustic. 2.3 Articulatory Phonetics 2.4 Initiation, Phonation and Articulation. 2.5 Air Stream Mechanism/Speech mechanism 2.6 Organs of Speech 2.7 Phonemes	15	0	Lecture, Interactive, ICT, Problem Solving Screening movie of the Text
3	May	2. Phonetics and Phonology 2.8 Consonants 2.9 Vowels 2.10 Description of Speech Sounds(Three Term Labels) 2.11 Word Stress/accent 2.12 Phonemic Transcription. 2.13 Weak Forms 2.14 Intonation.	15	0	Lecture, Interactive, ICT, Problem Solving, Screening movie of the Text
4	June	3. Morphology 3.1 Definition of morphology 3.2 Types of Morphemes- free and Bound morphemes. 3.3 Affixes and its Types—Prefixes and Suffixes 3.4 Morphological/ Word Formation processes in English—Major and Minor 3.5 Labelled Morphological analysis.	15	0	Lecture, Interactive, ICT, Problem Solving


Teacher


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 Head, Department of English
 KNBAC & VPS College, Bhosare.

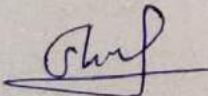

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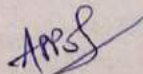
MADHA TALUKA SHIKSHAN PRASARAK MANDAL'S
K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL SCIENCE COLLEGE, VIDYANAGAR,
BHOSARE
NAAC RE-ACCREDITED 'B' GRADE
 PARANDA ROAD, KURDUWADI TAL-MADHA DIST-SOLAPUR PIN-413 208 (MAHARASHTRA)

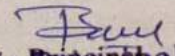
TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher: Dr. Sachin Vaman Londhe		Class and Sem.	B. A. I Sem. I
Subject	English	Title and Paper No.	Literary Voyage (Compulsory)

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	Syllabus Discussion Unit 1 Prose: 1. The Birth of Khadi by M. K. Gandhi 2. Jadhav Payeng: The forest Mand of India 3. The portrait of a Lady by Kushvant Singh	15	0	Lecture, Interactive, ICT,
2	Sept	Unit. 2 Poetry 1. Let me not Pray to be Sheltered from Dangers by R. Tagore 2. The Lotus by Toru Dutt 3. The Toys by Coventry Patmore Unit. 3 Grammar 1. Word Formation (Prefixes and Suffixes) 2. Parts of Speech	15	0	Lecture, Interactive, ICT,
3	Oct.	Unit. 4 Communication and Other Skills (I) 1. What is Communication 2. Communicating Effectively	15	0	Lecture, Interactive, ICT,
4	Nov.	Unit. 4 Communication and Other Skills (I) 3. What is Communication 4. Communicating Effectively	15	0	Lecture, Interactive, ICT,


Teacher

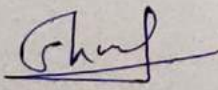

Head
Head, Department of English
KNBAC & YPS College, Bhosare.


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Vidyanagar Bhosare, Dist-Solapur

Teaching Plan for the Year 2021-22

Name of the Teacher: Dr. Sachin Vaman Londhe		Class and Sem.	B. A. I Sem. II
Subject	English	Title and Paper No.	Literary Voyage (Compulsory)

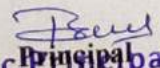
Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March	Syllabus Discussion Unit 1 Prose: 1. Of Discourse by Francis Bacon 2. Does Education Do Harm? By B. Russell 3. The Spirit of Freedom by R. Tagore	15	0	Lecture, Interactive
2	April	Unit. 2 Poetry 1. Our Earth will not Die by Niyi Osundare 2. Ode on Solitude by Alexander Pope 3. Remember by Christina Rossetti Unit 3. Grammar 1. Synonyms and Antonyms 2. Tenses	15	0	Lecture, Interactive, ICT, Problem Solving
3	May	Unit. 4 Communication and Other Skills (I) 1. Describing Process 2. Making Presentations	15	0	Lecture, Interactive, ICT, Problem Solving
4	June	Unit. 4 Communication and Other Skills (II) Letter Writing (Formal/ Informal) (III) Soft Skills- Interpersonal Intelligence	15	0	Lecture, Interactive, ICT, Problem Solving



Teacher


Head

Head, Department of English
KNBAC & VPS College, Bhosare.


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DEPARTMENT OF HINDI
TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher : Prof. Dr Salunkhe M. N.		Class and Sem.	B. A. I Sem. I
Subject	Hindi	Title and Paper No.- I	साहित्यरत्न w.e.f June 2019

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Oct, 2021	पाठ्यक्रम चर्चा	1	0	व्याख्यान पध्दति
2	Oct, 2021	गद्य - स्वरूप, पाश्चैभूमि, गद्य के भेद। चौफ की दावत - भीष्म साहनी, सुभान खॉ - रामवृक्ष वेनीपुरी, कहावते - अर्थ और उदाहरण, वाक्य में प्रयोग पद्य - सूरदास के पद उनका व्यक्तित्व एव कुतित्व	15	0	ICT, ऑनलाईन व्याख्यान पध्दति, चर्चा पध्दति
3	Nov, 2021	रिसर्च का चक्कर - हरिशंकर परसाई, कबीरदास के दोहे - उदाहरण, संत कबीरदास का व्यक्तित्व एव कुतित्व, हिंदी कहावतों का अर्थ, उदाहरण, वाक्य में प्रयोग,	15	0	ICT, ऑनलाईन व्याख्यान पध्दति, चर्चा पध्दति
4	Nov, 2021	झीलों का देश - विष्णु प्रभाकर(यात्रा साहित्य), पुष्प की अभिलाषा - माखनलाल चतुर्वेदी, देवनागरी लिपि में अंक लेखन १ से १०० तक फिल्म और नाट्य समीक्षा	15	0	ICT, ऑनलाईन व्याख्यान पध्दति, चर्चा पध्दति
5	Dec, 2021	झासी की रानी - सुभद्राकुमारी चौहान, जो नहीं होते धरतीपर - चन्द्रकांत देवताले, वाक्य शुद्धिकरण, यात्रा वृत्तान्त लेखन	15	0	ICT, ऑनलाईन व्याख्यान पध्दति, चर्चा पध्दति

M.S. Salunkhe
 Teacher

Head, Department of Hindi
 K.N.B.A.C. & V.P.S. College, Bhosare

M.S. Salunkhe
 Head

Head, Department of Hindi
 K.N.B.A.C. & V.P.S. College, Bhosare

B. N. B. B.
 I/c. Principal

K.N. Bhis Arts, Commerce &
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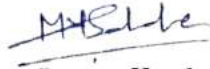
Department of Hindi
Teaching Plan for the Year 2021-22

Name of the Teacher : Prof. Dr Salunkhe M. N.		Class and Sem.	B. A. I Sem. II
Subject	Hindi	Title and Paper No.- II	साहित्यरत्न w.e.f June 2019

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March	पाठ्यक्रम चर्चा	1	0	व्याख्यान पध्दति
2	March 2022	मलबे का मालिक - मोहन राकेश, रहीमदास - दोहे, समानार्थी एवं पर्यायवाची शब्द	15	0	व्याख्यान पध्दति, चर्चा पध्दति
3	April, 2022	अहिल्याबाई - वृन्दावनलाल वर्मा, पदावली - मीराबाई, करक - अर्थ, प्रकार, उदाहरण, प्रयोग, साक्षात्कार लेखन	15	0	व्याख्यान पध्दति, चर्चा पध्दति
4	May, 2022	विमला की शादी - सुधीर ओखटे, कोशिश करने वालों की हर नहीं होती - सोहनलाल दविवेदी, विलोम शब्द, गीत-फरोश - भवानी प्रसाद मिश्र	15	0	व्याख्यान पध्दति, चर्चा पध्दति
5	June, 2022	गौरा गाय - महादेवी वर्मा, राजल - जहीर कुरेशी, विज्ञापन लेखन, जनसंचार माध्यम और समाचारपत्र के सचित्र विज्ञापन	15	0	व्याख्यान पध्दति, चर्चा पध्दति



Teacher



Head

Head, Department of Hindi
KNBAC & VPS College Bhosare




I/c. Principal

K.N. Bhis Arts, Commerce
Vinayakrao Patil Science Colleg
Vidyanagar Bhosare, Dist-Solapur

Department of Hindi
Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Rokade R.P.		Class and Sem.	BA-. II Sem.- III		
Subject	Hindi	Title and Paper No.- III	आधुनिक हिंदी गद्य कहानी एव व्यवहारिक हिंदी		
Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August 2022	पाठ्यक्रम चर्चा और विश्लेषण	1	0	व्याख्यान पद्धति चर्चा पद्धति
2	August 2022	हिंदी गद्य साहित्य का सामान्य परिचय, आधुनिक कहानी साहित्य का सामान्य परिचय -बड़े घर की बेटी -प्रेमचंद	15	0	व्याख्यान पद्धति
3	Sept 2022	पंचलाईट -फणीश्वरनाथ रेणु गुगे -राजेंद्र यादव	15	0	व्याख्यान पद्धति
4	Oct 2022	एक रुकी हुई जिन्दगी -कमलेश्वर संघर्ष -सुशीला टाकमौरि	15	0	व्याख्यान पद्धति
5	Nov 2022	बिरादरी बाहर -राजेन्द्र यादव सराव प्रश्न पत्र	15	0	व्याख्यान पद्धति चर्चा पद्धति


Teacher

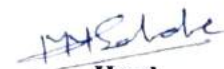

Head
Head, Department of Hindi
KNBAC & VPS College Bhosare


प्रभारी प्राचार्य
के.एन.भिसे आर्ट्स, कॉमर्स अँड
विनायकराव पाटील सायन्स कॉलेज
विद्यानगर भोसरे, जि. सोलापूर

Department of Hindi
Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Rokade R.P.		Class and Sem.		BA-. II Sem.- IV	
Subject	Hindi	Title and Paper No.- III	आधुनिक हिंदी गद्य एकांकी एवं व्यवहारिक हिंदी		
Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March 2022	पाठ्यक्रम चर्चा और विश्लेषण	1	0	व्याख्यान पद्धति चर्चा पद्धति
2	March 2022	हिंदी गद्य साहित्य का सामान्य परिचय, आधुनिक एकांकी साहित्य का सामान्य परिचय -प्रतिशोध -डॉ रामकुमार वर्मा	15	0	व्याख्यान पद्धति
3	April 2022	पिकनिक -विष्णु प्रभाकर गली की शांति -लक्ष्मीनारायण लाल	15	0	व्याख्यान पद्धति
4	May 2022	बहु की विदा -विनोद रस्तोगी अखबारी विज्ञापन -चिरंजीव	15	0	व्याख्यान पद्धति
5	June 2022	बचाओ मुझे डॉक्टरों से बचाओ -डॉ .शंकर पुणतांबेकर, सराव प्रश्न पत्र	15	0	व्याख्यान पद्धति चर्चा पद्धति


 Teacher


 Head
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 KNBAC & VPS College, Bhosare


 प्रभारि प्राध्यापक
 के.एन.मिसे आर्ट्स, कॉमर्स अॅण्ड
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Department of Hindi
Teaching Plan for the Year 2021-22

Name of the Teacher : Prof. Dr Salunkhe M. N.		Class and Sem.	B. A. II Sem. III
Subject	Hindi	Title and Paper No. - IV	मध्ययुगीन हिंदी काव्य व्याकरण एवं लेखन w.e.f. June 2020

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August, 2021	पाठ्यक्रम चर्चा	1	0	व्याख्यान पद्धति
2	August, 2021	मध्ययुगीन हिंदी काव्य, संत कबीरदास की साखी, संत रहीमदास के दोहे,	14	0	ICT, ऑनलाइन व्याख्यान पद्धति, चर्चा पद्धति
3	Sept, 2021	संत सूरदास का सूरसागर (पद), वाक्य के भेद - अर्थ के अनुसार	15	0	ICT, ऑनलाइन व्याख्यान पद्धति, चर्चा पद्धति
4	Oct, 2021	संत मीराबाई की पदावली, पदमावत के पद - जायसी, बिहारी के दोहे	15	0	ICT, ऑनलाइन व्याख्यान पद्धति, चर्चा पद्धति
5	Nov, 2021	प्रत्यय और उपसर्ग, सराव प्रश्नपत्र	15	0	ICT, ऑनलाइन व्याख्यान पद्धति, चर्चा पद्धति

M. N. Salunkhe
Teacher

M. N. Salunkhe
Head

Head, Department of Hindi
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K. N. Bhise
I/c. Principal

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Department of Hindi
Teaching Plan for the Year 2021-22

Name of the Teacher : Prof. Dr Salunkhe M. N.		Class and Sem.	B. A. II Sem. IV
Subject	Hindi	Title and Paper No. - VI	आधुनिक हिंदी काव्य व्याकरण एवं लेखन w.e.f. June 2020

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March	पाठ्यक्रम चर्चा	1	0	व्याख्यान पध्दति
2	March 2022	शिक्षा की अवस्था - मैथिलीशरण गुप्त, भिक्षुक - निराला, ताजमहल की छाया में - अज्ञेय, तुम्हारे पावों के नीचे कोई जमीन नहीं - दुष्यंत कुमार विरामचिह्न - अर्थ, प्रयोग, उदाहरण	16	0	व्याख्यान पध्दति, चर्चा पध्दति
3	April 2022	नीड़ का निर्माण - हरिवंशराय बच्चन, रोटी और संसद - धूमिल, विदोह - केदारनाथ सिंह, व्यवहारिक अनुवाद - स्वरूप, महत्व, उदाहरण	14	0	व्याख्यान पध्दति, चर्चा पध्दति
4	May 2022	आदिवासी लड़कियों के बारे में - निर्मला पुतुल, कूड़ा बीनते बच्चे - अनामिका, मलाला तुम मर नहीं सकती - कैवल भारती	15	0	व्याख्यान पध्दति, चर्चा पध्दति
5	June 2022	माँ पर नहीं लिख सकता कविता - चन्द्रकांत देवताले, जाग तुझको दूर जाना - महादेवी वर्मा, हिंदी वेबसाइट	15	0	व्याख्यान पध्दति, चर्चा पध्दति

M.S. Salunkhe
 -Teacher

M.S. Salunkhe
 Head

Head, Department of Hindi
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B. N. Bhat
 Principal
 I/c. Principal

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DEPARTMENT OF HINDI
TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher: Prof. Dr Salunkhe M.N.		Class and Sem.	BA-. III Sem.- V
Subject	Hindi	Title and Paper No.- VII	विशेष लेखक -भगवानदास मोरवाल -प्रतिनिधि कहानियाँ

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August, 2021	पाठ्यक्रम चर्चा और विश्लेषण	1	0	ऑनलाईन व्याख्यान
2	August, 2021	आधुनिक काल में कहानी साहित्य का स्वरूप भगवानदास मोरवाल व्यक्तित्व और कृतित्व भगवानदास मोरवाल कहानी साहित्य की विशेषताएँ	16	0	ऑनलाईन व्याख्यान चर्चा पद्धति
3	Sept, 2021	भगवानदास मोरवाल का कहानी साहित्य- बस तुम न होते पिताजी ,बियाबान ,सौदा, इनका कहानी के तत्वों के अनुसार विवेचन	14	0	ऑनलाईन व्याख्यान चर्चा पद्धति
4	Oct, 2021	रंग अबीर ,सीढिया माँ और उसका देवता, चोट इनका कहानी के तत्वों के अनुसार विवेचन	16	0	ऑनलाईन व्याख्यान चर्चा पद्धति
5	Nov, 2021	वे तीन , छल इनका कहानी के तत्वों के अनुसार विवेचन	14	0	ऑनलाईन व्याख्यान चर्चा पद्धति

Teacher

M.S. Salunkhe

M.S. Salunkhe
Head

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 K.N.B.A.C. & V.P.S. College, Bhosare

J. B. Patil
Principal

I/c. Principal

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MADHA TALUKA SHIKSHAN PRASARAK MANDAL'S
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DEPARTMENT OF HINDI
TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher: Prof. Dr Salunkhe M.N.		Class and Sem.	BA-. III Sem.- VI
Subject	Hindi	Title and Paper No.- XII	विशेष लेखक -भगवानदास मोरवाल -शकुंतिका उपन्यास

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March	पाठ्यक्रम चर्चा और विश्लेषण	1	0	व्याख्यान पद्धति चर्चा पद्धति
2	March 2022	आधुनिक काल में उपन्यास साहित्य का स्वरूप ,भगवानदास मोरवाल- व्यक्तित्व और कृतित्व,भगवानदास मोरवाल के उपन्यास उपन्यास साहित्य की विशेषताए	15	0	व्याख्यान पद्धति चर्चा पद्धति
3	April, 2022	शकुंतिका उपन्यास का उपन्यास के तत्वों के अनुसार विवेचन शकुंतिका उपन्यास का कथानक	15	0	व्याख्यान पद्धति चर्चा पद्धति
4	May, 2022	शकुंतिका उपन्यास का चरित्र चित्रण एव इस उपन्यास के पात्र परिचय उनकी विशेषताए ,देशकाल वातावरण	16	0	व्याख्यान पद्धति चर्चा पद्धति
5	June, 2022	शकुंतिका उपन्यास का उद्देश ,भाषाशैली ,शीर्षक की सार्थकता	14	0	व्याख्यान पद्धति चर्चा पद्धति

Teacher

M.S. Salunkhe

Head

M.S. Salunkhe
 Head, Department of Hindi
 KNBAC & VPS College Bhosare

Princip
 I/c. Principal

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Department of Hindi
Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Dr Salunkhe M.N.		Class and Sem.	B.A. III Sem.- V
Subject	Hindi	Title and Paper No.- VIII	काव्यशास्त्र

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August, 2021	पाठ्यक्रम चर्चा और विश्लेषण	1	0	चर्चा पद्धति
2	August, 2021	साहित्य - परिभाषा, तत्व, प्रेरणा तथा प्रयोजन भारतीय और पाश्चात्य, शब्द शक्ति - स्वरूप, अभिधा, लक्षणा, व्यंजना	15	0	ऑनलाइन व्याख्यान, चर्चा पद्धति
3	Sept, 2021	कव्यभेद- महाकाव्य, प्रगित और उसकी सामान्य विशेषताएँ, गजल का सामान्य परिचय	15	0	ऑनलाइन व्याख्यान, चर्चा पद्धति
4	Oct, 2021	गद्य भेद -नाटक - परिभाषा, पाश्चात्य तत्व, उपन्यास - परिभाषा तत्व	15	0	ऑनलाइन व्याख्यान, चर्चा पद्धति
5	Nov. 2021	गद्य भेद-कहानी एकांकी निबंध आत्मकथा जीवनी, संस्मरण रेखाचित्र, रिपोर्टाज का सामान्य परिचय	15	0	ऑनलाइन व्याख्यान, चर्चा पद्धति

Teacher
M.S. Salunkhe

M.S. Salunkhe
Head
Head, Department of Hindi
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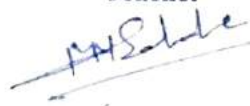
Rajesh
Principal
I/c. Principal
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Department of Hindi
Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Dr Salunkhe M.N.		Class and Sem.	B.A. III Sem.- VI
Subject	Hindi	Title and Paper No.- XIII	आलोचना

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August, 2021	पाठ्यक्रम चर्चा और विश्लेषण	1	0	चर्चा पद्धति
2	August, 2021	बिंब विधान, मिथक, प्रतिक, फंतासी का सामान्य परिचय	15	0	व्याख्यान पद्धति, चर्चा पद्धति
3	Sept, 2021	आलोचना की परिभाषा, स्वरूप, आलोचक के गुण, आलोचना के प्रकार, व्याख्यात्मक, ऐतिहासिक, तुलनात्मक, मार्क्सवादी	15	0	व्याख्यान पद्धति, चर्चा पद्धति
4	Oct, 2021	विभिन्न विमर्श - स्त्री विमर्श, किसान विमर्श, आदिवासी विमर्श, किन्नर विमर्श	15	0	व्याख्यान पद्धति, चर्चा पद्धति
5	Nov, 2021	रस की परिभाषा, रस के अंगों का सामान्य परिचय, रस के भेद - शृंगार, वीर, करुण, अदभुत, भयानक, रौद्र, बीभत्स, हास्य शान्त रस का सोदाहरण परिचय	15	0	व्याख्यान पद्धति, चर्चा पद्धति

Teacher


Head

 Head, Department of Hindi
 KNBAC & VPS College Rhosare

Principal

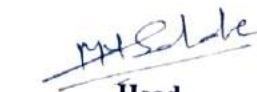
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Department of Hindi
Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Rokade R.P.			Class and Sem.		BA-. III Sem.- V
Subject	Hindi	Title and Paper No.IX	आदिकालीन और मध्यकालीन हिंदी साहित्य का इतिहास		
Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August 2021	पाठ्यक्रम चर्चा और विश्लेषण	1	0	व्याख्यान पद्धति चर्चा पद्धति
2	August 2021	हिंदी साहित्य का काल विभाजन तथा नामकरण आदिकाल की सामाजिक एव राजकीय परिस्थितियाँ	15	0	व्याख्यान पद्धति चर्चा पद्धति
3	Sept 2021	आदिकालीन साहित्य की विशेषताएँ, प्रतिनिधि रचनाएँ पृथ्वीराज रासो, बीसलदेव रासो प्रतिनिधि रचनाकार- अमीर खुसरो और विद्यापति	15	0	व्याख्यान पद्धति चर्चा पद्धति
4	Oct 2021	भक्तिकाल की सामाजिक एव राजकीय परिस्थितियाँ जानाश्रयी शाखा की विशेषताएँ, कबीर का सामान्य परिचय, प्रेमाश्रयी शाखा की विशेषताएँ, जायसी का सामान्य परिचय तुलसीदास, सूरदास, रैदास, मीराबाई का सामान्य परिचय	15	0	व्याख्यान पद्धति चर्चा पद्धति
5	Nov 2022	रामभक्ति शाखा और कृष्णभक्ति शाखा की विशेषताएँ, भक्तिकाल साहित्य की विशेषताएँ, प्रमुख रचनाकार- भूषण, बिहारी	15	0	व्याख्यान पद्धति चर्चा पद्धति


Teacher

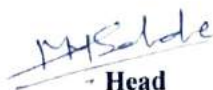

Head
Head, Department of Hindi
KNBAC & VPS College Rhosare


प्रभासी प्रभासी
के.एन.मिसे आर्ट्स, कॉमर्स अँड
विनायकराव पाटील सायन्स कॉलेज
विधानगर भोसरे, जि. सोलापूर

Department of Hindi
Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Rokade R.P.			Class and Sem.		BA-. III Sem.- VI
Subject	Hindi	Title and Paper No.- XIV	आधुनिक काल का हिंदी साहित्य		
Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March, 2022	पाठ्यक्रम चर्चा और विश्लेषण	1	0	व्याख्यान पद्धति चर्चा पद्धति
2	March, 2022	हिंदी साहित्य का काल विभाजन तथा नामकरण आधुनिक हिंदी काव्य का सामान्य परिचय, आधुनिक काव्यधाराओं का सामान्य परिचय	15	0	व्याख्यान पद्धति
3	April, 2022	विविध प्रवृत्तियाँ - छायावाद, प्रगतिवाद, प्रयोगवाद हिंदी स्त्रीवादी कविता, हिंदी दलित कविता	15	0	व्याख्यान पद्धति
4	May, 2022	आधुनिक गद्य विधाओं का उद्भव और विकास - उपन्यास, कहानी, नाटक, एकांकी	15	0	व्याख्यान पद्धति
5	June, 2022	रचनाकारों का सामान्य परिचय - मोहन राकेश, मृदुला गर्ग, मैत्रीय पुष्पा, नरेद्र कोहली, अमरकांत, मन्नू भंडारी, संजीव	15	0	व्याख्यान पद्धति चर्चा पद्धति


Teacher


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KNBAC & VPS College Bhosare


प्रधानाचार्य
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विनायकराव पाटील सायन्स कॉलेज
विधानगर भोसरे, जि. सोलापूर

Department of Hindi
Teaching Plan for the Year 2021- 22

Name of the Teacher: Prof. Dr Salunkhe M.N.		Class and Sem.	B.A. III Sem.- V
Subject	Hindi	Title and Paper No.- X	प्रयोजनमूलक हिंदी

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August, 2021	पाठ्यक्रम चर्चा विश्लेषण	1	0	ऑनलाइन व्याख्यान प्रणाली,
2	August, 2021	प्रयोजनमूलक हिंदी का अर्थ, परिभाषा, महत्व, स्वरूप व्यवहार क्षेत्र, उसकी उपयोगिता	15	0	ऑनलाइन व्याख्यान प्रणाली,
3	Sept, 2021	जनसंचार माध्यम - समाचार लेखन के तत्व, गुण, पटकथा लेखन, वृत्तान्त लेखन - सामाजिक, राजनितिक, सांस्कृतिक, शैक्षणिक संदर्भ	15	0	ऑनलाइन व्याख्यान प्रणाली,
4	Oct, 2021	कार्यालयीन पत्राचार - स्वरूप, प्रकार, नौकरी के लिए आवेदन पत्र, पदाधिकारियों के नाम पत्र, सरकारी पत्र	15	0	ऑनलाइन व्याख्यान प्रणाली,
5	Nov, 2021	कोश ग्रंथ, परिभाषिक शब्दावली, हिंदी पत्र पत्रिकाएँ, हिंदी पोर्टल और वेबसाइट,	15	0	ऑनलाइन व्याख्यान प्रणाली,

Teacher

M.S. Salunkhe

Head

Head, Department of Hindi
K.N.B.A.C. & V.P.S. College, Bhosare

Principal
I/c. Principal

K.N.Bhise Arts, Commerce &
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Vidyanagar Bhosare, Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL SCIENCE COLLEGE,
VIDYANAGAR, BHOSARE
NAAC Re- accredited 'A' Grade
Paranda Road, Kurduwadi Tal- Madha Dist- Solapur Pin- 413 208 (Maharashtra)

Department of Hindi
Teaching Plan for the Year 2021- 22

Name of the Teacher: Prof. Dr Salunkhe M.N.		Class and Sem.	BA- . III Sem.- VI
Subject	Hindi	Title and Paper No.- XV	व्यवहारिक हिंदी

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March	पाठ्यक्रम चर्चा विश्लेषण	1	0	चर्चा पद्धति
2	March 2022	अनुवाद का व्युत्पत्तिमुलक अर्थ, अनुवाद की परिभाषा, अनुवादक के गुण , अनुवाद का महत्व, अनुवाद के प्रकार, अनुवाद की विशेषताए	15	0	व्याख्यान पद्धति
3	April, 2022	विज्ञापन का व्युत्पत्तिमुलक अर्थ, परिभाषा के प्रकार, महत्व, तत्व	15	0	चर्चा पद्धति व्याख्यान पद्धति
4	May, 2022	वाणिज्य पत्राचार, निर्ख पत्र, पूछताछ पत्र, भुगतान पत्र, क्रयादेश पत्र, शिकायती पत्र	16	0	चर्चा पद्धति व्याख्यान पद्धति
5	June, 2022	आकाशवाणी, मिडिया में हिंदी, बैंकों में प्रयुक्त हिंदी, प्रेस, रेल में हिंदी, हिंदी ब्लॉग, वेबसाईट, बायोडाटा लेखन वृत्तान्त लेखन,	14	0	चर्चा पद्धति व्याख्यान पद्धति

Teacher

M.S. Salunkhe

M.S. Salunkhe
Head

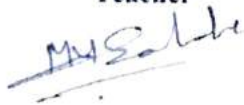
Head, Department of Hindi
K.N.B.A.C. & V.P.S. College, Bhosare

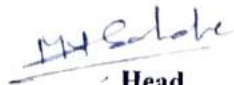
M.S. Salunkhe
I/c. Principal

K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist- Solapur

Department of Hindi
Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Rokade R.P.		Class and Sem.	BA- III Sem - V'		
Subject	Hindi	Title and Paper No.XI	हिंदी भाषा		
Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August 2021	पाठ्यक्रम चर्चा और विश्लेषण	1	0	व्याख्यान पद्धति चर्चा पद्धति
2	August 2021	भाषा परिभाषा और रूप -भाषा की परिभाषा,उसकी विशेषताए, भाषा के विविध रूप बोली परिनिष्ठित भाषा, राजभाषा, राष्ट्रभाषा भाषा	15	0	व्याख्यान पद्धति चर्चा पद्धति
3	Sept 2021	हिंदी भाषा और बोलियाँ -हिंदी शब्द की व्युत्पत्ति एवं हिंदी भाषा का उद्भव और विकास हिंदी की प्रमुख बोलियाँ -ब्रज, अवधि, मैथिलि,भोजपुरी,खड़ीबोली	15	0	व्याख्यान पद्धति चर्चा पद्धति
4	Oct 2021	हिंदी भाषा समूह और कौशल्य -हिंदी का शब्द समूह -तत्सम, तदभव,देशज,विदेशीशब्दों का सामान्य परिचय, भाषा कौशल्य -श्रवण, पठन,मौखिक,अभिव्यक्ति,लेखन कौशल्य	15	0	व्याख्यान पद्धति चर्चा पद्धति
5	Nov 2021	देवनागरी लिपि -उद्भव एव विकास, उसकी विशेषताए और वैज्ञानिकता	15	0	व्याख्यान पद्धति चर्चा पद्धति

Teacher


Head

 Head, Department of Hindi
 KNBAC & VPS College Bhosare

प्रभारि प्राध्यापक

 के.एन.मिसे आर्ट्स, कॉमर्स अॅण्ड
 विनायकराव फाटील सायन्स कॉलेज
 विधानगर भोसरे, जि. सोलापूर

Department of Hindi
Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Rokade R.P.		Class and Sem.	BA- III Sem- VI		
Subject	Hindi	Title and Paper No XI	हिंदी भाषा		
Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August 2021	पाठ्यक्रम चर्चा और विश्लेषण	1	0	दयाख्यान पद्धति चर्चा पद्धति
2	August 2021	भाषा परिभाषा और रूप-भाषा की परिभाषा, उसकी विशेषताएँ, भाषा के विविध रूप वाली परिनिष्ठित भाषा, राजभाषा, राष्ट्रभाषा भाषा	15	0	दयाख्यान पद्धति चर्चा पद्धति
3	Sept 2021	हिंदी भाषा और बालियाँ - हिंदी शब्द की व्युत्पत्ति एवं हिंदी भाषा का उद्भव और विकास हिंदी की प्रमुख बालियाँ - बज्र अक्षर, संधि, भाजपरी, खड़ीबोली	15	0	दयाख्यान पद्धति चर्चा पद्धति
4	Oct 2021	हिंदी भाषा समूह और कोशलय - हिंदी का शब्द समूह - तन्मस, तदभव, देशज, विदेशी शब्दों का सामान्य परिचय, भाषा कोशलय - श्रवण, पठन, मौखिक अभिव्यक्ति, लेखन कोशलय	15	0	दयाख्यान पद्धति चर्चा पद्धति
5	Nov 2021	द्वैतवादी चिन्तन - उद्भव एवं विकास, उसकी विशेषताएँ और वैज्ञानिकता	15	0	दयाख्यान पद्धति चर्चा पद्धति

MADHA TALUKA SHIKSHAN PRASARAK MANDAL'S
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 PARANDA ROAD, KURDUWADI TAL-MADHA DIST-SOLAPUR PIN-413 208 (MAHARASHTRA)

DEPARTMENT OF HISTORY

TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher: Prof. Pantulwar R.G		Class and Sem.	B. A. I Sem. I
Subject	History	Title and Paper No.- I	Chhatrapati Shivaji Maharaj and His Times (1600-1707 A.D.) w.e.f June 2019

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Oct, 2021	Syllabus Discussion	1	0	Lecture, Interactive
2	Oct, 2021	Unit 1: Rise of Maratha Power a) Background – Political, Social, Economic and Religious b) Role of Shahaji Raje c) Role of Jijabai and early activities of Chhatrapati Shivaji Maharaj	15	0	Online Lecture, Interactive, ICT,
3	Nov, 2021	Unit. 2 Chhatrapati Shivaji Maharaj and Adilshahi relations a) Conflict with Javali's More b) Conflict with Afzalkhan c) Siege of Panhala	15	0	Online Lecture, Interactive, ICT,
4	Nov, 2021	Unit. 3 Chhatrapati Shivaji Maharaj and Mughal relation a) Campaign of Shahistekhan b) Surat Expeditions c) Mirza Raja Jaysing's Expedition d) Visit to Agra	15	0	Online Lecture, Interactive, ICT,
5	Dec, 2021	Unit. 4 Chhatrapati Shivaji Maharaja's Coronation and Karnataka Expedition a) Chhatrapati Shivaji Maharaja's First Coronation b) Chhatrapati Shivaji Maharaja's Second Coronation c) Karnataka Expedition	15	0	Online Lecture, Interactive, ICT,

R.G. Pantulwar
Teacher
 (Prof. Pantulwar R.G)

R.G. Pantulwar
Head
 Head, Department of History
 KNBAC & VPS College, Bhosare.

Rajy
Principal
I/c. Principal
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 Vidyanagar Bhosare, Dist-Solapur

DEPARTMENT OF HISTORY
Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Pantulwar R. G.		Class and Sem.	B. A. II Sem. III
Subject	History	Title and Paper No. - IDS	History of Social Reforms in Maharashtra (1818 - 1970 A.D.) w.e.f. June 2020

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August, 2021	Syllabus Discussion	1	0	Online Lecture, Interactive
2	August, 2021	Unit-I Maharashtra in the early 19th century A) Social condition B) Religious condition C) Economic condition	15	0	Online Lecture, Interactive, ICT,
3	Sept, 2021	Unit-II Early Reforms in British Period A) Administration B) Education C) Press	15	0	Online Lecture, Interactive, ICT,
4	Oct, 2021	Unit-III Early Reformers A) Jagannath Shankar Sheth B) Gopal Hari Deshmukh C) Bhau Daji Lad	14	0	Online Lecture, Interactive, ICT,
5	Nov. 2021	Unit-IV Life and Work of Mahatma Jotiba Phule A) Work for education and women B) Work for untouchable and peasant C) Satyashodhak Samaj and Literature	16	0	Online Lecture, Interactive, ICT,

R. G. Pantulwar
Teacher
 (Pantulwar R. G.)

R. G. Pantulwar
Head
 Head, Department of History
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B. N. Bhise
Principal
I/c. Principal
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Department of History
Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Pantulwar R. G.		Class and Sem.	B. A. II Sem. III
Subject	History	Title and Paper No. - III	History Modern Europe (1750 – 1871 A.D.) w.e.f. June 2020

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June 2021	Syllabus Discussion	2	0	Online Lecture, Interactive
2	July 2021	Unit-I Industrial Revolution A) Causes B) Course C) Effects	14	0	Online Lecture, Interactive, ICT,
3	August 2021	Unit-II French Revolution, 1789 A) Causes B) Course C) Effects	15	0	Online Lecture, Interactive, ICT,
4	Sept. 2021	Unit-III Napoleon Bonaparte A) Rise of Napoleon Bonaparte B) Napoleon's Reforms C) Conquests, Continued policy and Downfall	15	0	Online Lecture, Interactive, ICT,
5	Oct. 2021	Unit-IV Age of Metternich A) Vienna Congress, 1815 B) Life and work of Metternich C) Concert of Europe	15	0	Online Lecture, Interactive, ICT,

R. G. Pantulwar
 Teacher

R. G. Pantulwar
 Head

Head, Department of History
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B. S. Bhat
 I/c. Principal

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 Vidyanagar Bhosare, Dist-Solapur

(Pantulwar R. G.)

Department of History
Teaching Plan for the Year- 2021-22

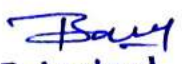
Name of the Teacher: Mr. Shejul Bappasaheb Ramling		Class and Sem.	B. A. II Sem. III
Subject	History	Title and Paper No. IV	History of Indian Freedom Movement (1857 - 1950 A.D.)

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August, 2021	Syllabus Discussion	2	0	Online Lecture, Interactive
2	August, 2021	Unit-I Revolt of 1857 A) Background and causes B) Course and failure C) Effects	16	0	Online Lecture, Interactive, ICT,
3	Sept, 2021	Unit-II Socio – Religious Movements A) BrahmaSamaj B) AryaSamaj C) SatyashodhakSamaj	14	0	Online Lecture, Interactive, ICT,
4	Oct, 2021	Unit-III Indian Nationalism A) Rise and Development of Nationalism B) Foundation of Indian National Congress C) Work of Moderates	14	0	Online Lecture, Interactive, ICT,
5	Nov. 2021	Unit-IV Era of Extremist and Lokmanya Tilak A) Rise of Extremist B) Partition of Bengal and Swadeshi Movement C) Home Rule Movement	16	0	Online Lecture, Interactive, ICT,


Teacher


Head

Head, Department of History
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DEPARTMENT OF HISTORY
TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher: Prof. R. G. Pantulwar		Class and Sem.	BA-. III Sem. V
Subject	History	Title and Paper No.	History of Ancient India (Pre-Historic Age to 650 A.D.)

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August, 2021	Syllabus Discussion	1	0	Online Lecture, Interactive
2	August, 2021	Unit – I Sources of Ancient Indian History. A) Archaeological Sources. B) Literary Sources C) Importance of Sources	16	0	Online Lecture, Interactive, ICT,
3	Sept, 2021	Unit – II Pre-Historic Age A) Paleolithic. B) Mesolithic. C) Neolithic.	14	0	Online Lecture, Interactive, ICT,
4	Oct, 2021	Unit – III Indus Valley Civilization A) Discovery and Town Planning. B) Social, Religious and Economic Conditions. C) Decline of Indus Civilization.	16	0	Online Lecture, Interactive, ICT,
5	Nov. 2021	Unit – IV Vedic Period A) Origin of Aryans. B) Political Condition. C) Social and Religious Condition	14	0	Online Lecture, Interactive, ICT,


Teacher


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Department of History
Teaching Plan for the Year -2021-22

Name of the Teacher: Mr. Bappasaheb Ramling Shejul	Class: B.A.III	Semester : V	Paper No: VIII
Subject: History	Title of the Paper : Mughal India (1526 A.D.-1707 A.D.) w.e.f.2021		

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August, 2021	Admission process			
2	August, 2021	Unit-I Sources of Mughal India A) Indian Sources B) Foreign Travel Accounts : Abul Fazal, Badayuni, Abdul Hamid Lahori	14	--	Online Lectures and ICT
3	Sept, 2021	Unit-II Babar A) Early Life Babar B) Political Work: Panipat Battle, Khanwa Battle, Ghagra Battle	14	--	Online Lectures and ICT
4	Oct, 2021	Unit-III Humayun and Shershaha A) Early Life and difficulties Of Humayun B) Early Life Of Shershaha C) Humayun and Shershah Conflict	16	--	Online Lectures and ICT
5	Nov. 2021	Unit-IV Akbar A) Early Life Of Akbar B) Rajput Policy of Akbar C) Religious Policy of Akbar	16	--	Online Lectures and ICT


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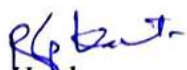

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Department of History
Teaching Plan for the Year –2021-22

Name of the Teacher: Mr. Bappasaheb Ramling Shejul	Class: B.A.III	Semester : V	Paper No:IX
Subject: History	Title of the Paper : Expansion and Downfall of the Maratha Power (1707 – 1818A.D.) w.e.f.2021		

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August, 2021	Admission process			Online Lectures and ICT
2	August, 2021	Unit – I Chhatrapati Shahu and Civil war A) Release of Shahu B) Conflict between Chhatrapati Shahu and Tarabai C) Work of Peshwa Balaji Vishwanath	16	-- --	Online Lectures and ICT
3	Sept, 2021	Unit – II Peshwa Bajirao – I A) Southern Expansion B) Northern Expansion C) Relation with Portuguese and siddi	15	-- --	Online Lectures and ICT
4	Oct, 2021	Unit – III Peshwa Balaji Bajirao (Nanasaheb) A) Southern Expansion B) Northern Expansion C) Relation with Bhosale and Angre	14	-- --	Online Lectures and ICT
5	Nov. 2021	Unit – IV Third Battle of Panipat, 1761 A.D. A) Background and causes B) Course and defeat of the Marathas C) Effects	15	-- --	Online Lectures and ICT


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Department of History
Teaching Plan for the Year -2021-22

Name of the Teacher: Mr. Bappasaheb Ramling Shejul	Class: B.A.III	Semester : V	Paper No: X
Subject: History	Title of the Paper : : Modern World (1870 -2000 A.D.) w.e.f.2021		

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August, 2021	Admission process			
2	August, 2021	Unit – I Bismark A) Life of Bismark B) Internal Policy C) External Policy	14	-- --	Online Lectures and ICT
3	Sept, 2021	Unit – II New Imperialism A) Background of new Imperialism B) Meaning & causes of new Imperialism C) Imperialism in Africa	16	-- --	Online Lectures and ICT
4	Oct, 2021	Unit –III First world war A) Causes & Course B) Effects C) Treaty of Versailles & League of Nations	16	-- --	Online Lectures and ICT
5	Nov. 2021	Unit –IV Russian Revolution – 1917 A) Causes B) Course C) Effects	14	-- --	Online Lectures and ICT


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DEPARTMENT OF HISTORY
TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher: Prof. R. G. Pantulwar		Class and Sem.	BA-. III Sem.- V
Subject	History	Title and Paper No.- XII	Historical Sources, Research and Places

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August, 2021	Syllabus Discussion	1	0	Online Lecture, Interactive
2	August, 2021	Unit – I Nature and Scope of History A) Meaning and Definition B) Nature and Scope of History C) Kinds of History	16	0	Online Lecture, Interactive, ICT,
3	Sept, 2021	Unit – II Sources A) Importance of sources B) Types of sources C) Evaluation of sources	14	0	Online Lecture, Interactive, ICT,
4	Oct, 2021	Unit – III III Research Process A) Auxiliary sciences B) Importance of Research C) Steps of Research Process	16	0	Online Lecture, Interactive, ICT,
5	Nov. 2021	Unit – IV History Writing Process A) Footnotes B) Dating and Index C) Bibliography	14	0	Online Lecture, Interactive, ICT,

R. G. Pantulwar
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DEPARTMENT OF HISTORY
TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher: Prof. Pantulwar R.G.		Class and Sem.	B. A. I Sem. II
Subject	History	Title and Paper No.- II	Chhatrapati Shivaji Maharaj and His Times (1600-1707 A.D.) w.e.f June 2019

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March	Syllabus Discussion	1	0	Lecture, Interactive
2	March 2022	Unit 1 – Chhatrapati Sambhaji Maharaj a) Early Life b) Conflict with Portuguese and Siddi c) Conflict with Mughal Unit	15	0	Lecture, Interactive, ICT,
3	April, 2022	Unit. 2 Maratha's War of Independence a) Work of Chhatrapati Rajaram Maharaj b) Work of Maharani Tarabai c) Work of Santaji Ghorpade and Dhanaji Jadhav 1. Synonyms and Antonyms 2. Tenses	15	0	Lecture, Interactive, ICT,
4	May, 2022	Unit 3. Civil Administration a) Central Administration b) Provincial Administration c) Village Administration	15	0	Lecture, Interactive, ICT,
5	June, 2022	Unit. 4 Military Administration and Judicial System a) Nature and Features of Military b) Fort Administration c) Judicial System	15	0	Lecture, Interactive, ICT,


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DEPARTMENT OF HISTORY
Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Pantulwar R. G.		Class and Sem.	B. A. II Sem. IV
Subject	History	Title and Paper No. - IDS	History of Social Reforms in Maharashtra (1818 – 1970 A.D.) w.e.f. June 2020

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March	Syllabus Discussion	1	0	Lecture, Interactive
2	March 2022	Unit-I Life and Work of Rajarshi Chhatrapati Shahu Maharaj A) Educational work B) Social and Religious work C) Economic and Political work.	16	0	Lecture, Interactive, ICT,
3	April, 2022	Unit-II Social Reformers A) Maharshi Vitthal Ramji Shinde B) Karmaveer Bhaurao Patil	14	0	Lecture, Interactive, ICT,
4	May, 2022	Unit-III Women Reformers A) Savitribai Phule B) Pandita Ramabai	14	0	Lecture, Interactive, ICT,
5	June, 2022	Unit-IV Life and Work of Dr. Babasaheb Ambedkar A) Social and Religious work B) Educational work C) Political work and literature	16	0	Lecture, Interactive, ICT,


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Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Pantulwar R. G.		Class and Sem.	B. A. II Sem. IV
Subject	History	Title and Paper No. -IV	History Modern Europe (1750 – 1871 A.D.) w.e.f. June 2020

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Nov. 2021	Syllabus Discussion	2	0	Lecture, Interactive
2	Dec. 2021	Unit-I Revolutionary Movements A) French Revolution, 1830 A.D. B) France between 1830 –1848 A.D. C) French Revolution, 1848 A.D.	16	0	Lecture, Interactive, ICT,
3	Jan. 2022	Unit-II Napoleon III A) Internal Policy B) External policy C) Evaluation of Napoleon III	14	0	Lecture, Interactive, ICT,
4	Feb. 2022	Unit-III Unification Movements A) Unification of Italy B) Unification of Germany	15	0	Lecture, Interactive, ICT,
5	March 2022	Unit-IV Modern Concepts A) Imperialism B) Nationalism C) Socialism	15	0	Lecture, Interactive, ICT,


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Department of History
Teaching Plan for the Year- 2021-22

Name of the Teacher: Mr. Shejul Bappasaheb Ramling.		Class and Sem.	B. A. II Sem. IV
Subject	History	Title and Paper No.-IV	History of Indian Freedom Movement (1857 - 1950 A.D.)

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March	Syllabus Discussion	1	0	Lecture, Interactive
2	March 2022	Unit-I Contribution of Revolutionaries A) Bengal B) Maharashtra C) Punjab	14	0	Lecture, Interactive, ICT,
3	April, 2022	Unit-II Gandhian Era A) Non Co – operation Movement B) Civil Disobedience Movement C) Quit India Movement	16	0	Lecture, Interactive, ICT,
4	May, 2022	Unit-III Constitutional Development and Indian National Army A) Morley–Minto Act, 1909 and Montford Act, 1919 B) Government of India Act, 1935 B) Subhashchandra Bose and Indian National Army	15	0	Lecture, Interactive, ICT,
5	June, 2022	Unit-IV Independence and Partition A) Negotiations for independence and partition B) Indian Independence Act, 1947 C) Indian constitution : Salient features	15	0	Lecture, Interactive, ICT,


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DEPARTMENT OF HISTORY
TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher: Prof. R. G. Pantulwar		Class and Sem.	BA- III Sem. VI
Subject	History	Title and Paper No.XII	History of Ancient India (Pre-Historic Age to 650 A.D.)

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March	Syllabus Discussion	1	0	Lecture, Interactive
2	March 2022	Unit – I India During 6th B.C. A) Rise of Magadha Empire and sixteen Mahajanpadas B) Jainism : life and Work of Vardhaman Mahavir C) Buddhism : Life and Work of Gutam Buddha	16	0	Lecture, Interactive, ICT,
3	April, 2022	Unit – II Mauryan Empire A) Contribution of Chandragupta Maurya B) Ashoka and his Dhamma C) Mauaryan Administration	15	0	Lecture, Interactive, ICT,
4	May, 2022	Unit – III Age of the Satvahanas and Guptas A) Rise and Expansion of Satvahanas B) Rise and Expansion of Guptas C) Social, Economic and cultural condition of Gupta Period	15	0	Lecture, Interactive, ICT,
5	June, 2022	Unit – IV Vardhan Dynasty and Vakataka Empire A) Rise of vardhan Dynasty B) Contribution of Harshavardhan C) Contribution of vakataka	14	0	Lecture, Interactive, ICT,

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Department of History
Teaching Plan for the Year -2021-22

Name of the Teacher: Mr. Bappasaheb Ramling Shejul	Class: B.A.III	Semester : VI	Paper No: XIII
Subject: History	Title of the Paper : Mughal India (1526 A.D.-1707 A.D.) w.e.f.2021		

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March 2022	Unit -I Jahangir and Shahajahan A) Jahangir B) Shahajahan Era- Golden age of Mughal Empire C) War of Succession	16	--	Lectures,
2	April, 2022	Unit-II Aurangzeb A) Early Life of Aurangzeb B) Northern and Deccan policy of Aurnagzeb C) Decline of Mughal Empire	15	--	Lectures, Seminar
3	May, 2022	Unit-III Administrative System of Mughal Empire A) Administrative System of Shershaha B) Administrative System of Akbar	15	-- -- --	Lectures, Seminar
4	June, 2022	Unit-IV Architecture in Mughal Period A) Period of Babar, Humayun,shershaha B) Period of Akbar, Jahangir C) Period of Shahajahan, Aurangzeb	14	-- --	Lectures, Discussion
5	June, 2022	Paper Assessment Summer Vacation			


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Department of History
Teaching Plan for the Year -2021-22

Name of the Teacher: Mr. Bappasaheb Ramling Shejul	Class: B.A.III	Semester : V	Paper No: XIV
Subject: History	Title of the Paper : Expansion and Downfall of the Maratha Power (1707 – 1818A.D.) w.e.f.2021		

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March 2022	Unit – I Restoration of the Maratha Power A) Conflict between Madhavrao I and Raghunathrao B) Work of Peshwa Madhavrao – I C) Northern politics after Panipat war	16	--	Lectures,
2	April, 2022	Unit – II Period of Barbhai A) Assassination of Narayanrao and Barbhai council B) First Anglo – Maratha war C) Maratha – Mysore Relation and Battle of Kharda	14	--	Lectures, Seminar
3	May, 2022	Unit – III Decline of the Maratha power A) Peshwa Bajirao – II B) Second Anglo – Maratha war C) Third Anglo – Maratha war and causes of Decline of the Maratha power	16	-- -- --	Lectures, Seminar
4	June, 2022	Unit – IV Administrative system during the Peshwa period A) Civil Administration B) Military system C) Judicial system	14	-- --	Lectures, Discussion
5	June, 2022	Paper Assessment Summer Vacation			


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Department of History
Teaching Plan for the Year –2021-22

Name of the Teacher: Mr. Bappasaheb Ramling Shejul	Class: B.A.III	Semester : VI	Paper No: XV
Subject: History	Title of the Paper : : Modern World (1870 -2000 A.D.) w.e.f.2021		

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March, 2022	Unit – I Rise of Dictatorship A) Germany B) Italy C) Turkastan	15	--	Lectures,
2	April, 2022	Unit – II Second World War A) Causes & Course B) Effects C) United Nations Organization	15	--	Lectures, Seminar
3	May, 2022	Unit –III Cold War A) Meaning B) Causes C) Effects	14	-- --	Lectures, Seminar
4	June, 2022	Unit –IV Globalization A) Meaning & Definition B) Effects on Human Rights C) Globalization & India	16	-- --	Lectures, Discussion
5	June, 2022	Paper Assessment Summer Vacation			


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DEPARTMENT OF HISTORY
TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher: Prof. R. G. Pantulwar		Class and Sem.	BA-. III Sem.- VI
Subject	History	Title and Paper No.- XVI	Historical Sources, Research and Places

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March	Syllabus Discussion	1	0	Lecture, Interactive
2	March 2022	Unit-I Forts A) Importance of forts B) Types of forts C) Structure of fort	15	0	Lecture, Interactive, ICT,
3	April, 2022	Unit – II Museums A) Types of Museum B) Chhatrapati Shivaji Maharaj Museum Mumbai (Prince of Wales) C) Town Hall Museum, Kolhapur & Raja Dinkar Kellkar Museum, Pune	15	0	Lecture, Interactive, ICT,
4	May, 2022	Unit – III Historical Tourism A) Definition and Nature Historical Tourism B) Importance of Tourism C) Places : Raigad, Satara, Kolhapur, Solapur.	16	0	Lecture, Interactive, ICT,
5	June, 2022	Unit – IV Historians A)V.K. Rajwade B)G.S. Sardesai C)Setu Madhavrao Pagdi D)V.C. Bendre	14	0	Lecture, Interactive, ICT,

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TEACHING PLAN 2021-2022

Name of the Faculty - Dr. Nagare Vikas Bhaupatil

Class - B.A. I

Paper No. I & II

Subject - Geography

Periods- 60+60

Paper Name- Geomorphology Paper I and Human Geography - Paper II

Month	Teaching Units	Lectures
August	Topic 1 Introduction to Geomorphology - Nature and Scop, & importance	15
September	Topic 2 Earth and Earth Movements- Interior structure of the Earth, Rocks types, and characteristics, Plate Tectonic Theory, Endogenic forces:	08
October	Earth and Earth Movements :- Folding and Faulting, Earthquakes and Volcanoes.	07
November	Topic 3 Geomorphic Processes- Weathering: Meaning and Types, Mass Wasting,	08
December	Topic 3 Geomorphic Processes- Cycle of Erosion by W.M. Davis	07
January	Topic 4 Evolution of Landforms (Erosional) – Fluvial, Aeolian Glacial and Coastal	07
February	Evolution of Landforms (Depositional) – Fluvial, Aeolian	04
January	Evolution of Landforms (Depositional) –Glacial and Coastal	04
March	University Exam	
	Human Geography	
April	Topic 1 Introduction to Human Geography- Meaning and Definition., Nature and Scope. Branches of Human Geography, Importance of Human Geography	15
May	Topic 2 Human Race- Definition and concept, Basis of racial classification, Racial Classification of Griffith Taylor, Religious and Language Groups in the World.	15
May	Topic 3 Population- Growth of Population. Factors Affecting the Distribution of the World, Population. Distribution of the World Population. Demographic Transition Theory. Age and Sex composition	15
June	Topic 4 Human Settlements- Rural Settlements: Types, Pattern and functions. Urban Settlements: Functional classification. Urbanization and World Trend of Urbanization. Problems of urban settlement	15
June	University Exam	

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TEACHING PLAN 2021-2022

Name of the Faculty - **Dr. Nagare Vikas Bhaupatil**

Class - **B.A. II**

Subject - **Geography**

Paper No. **III & V**

Periods- **60 +60**

Paper Name- **Climatology Paper -IV and ECONOMIC GEOGRAPHY Paper -V**

Month	Teaching Units	Lectures
August	Topic 1 Atmospheric Composition and Structure - Climatology- Meaning and Definition, Elements of Weather and climate	5
September	Topic 1 Atmospheric Composition and Structure - Atmospheric Composition	5
October	Topic 1 Atmospheric Composition and Structure - Atmospheric Structure	5
November	Topic 2 Insolation and Temperature - Heat Budget, Temperature- Factors, Distribution and Inversion	5
November	Topic 2 Insolation and Temperature - Heat Budget, Temperature- Factors, Distribution and Inversion	10
December	Topic 3 Atmospheric Pressure and Winds - Atmospheric Pressure Belts, Planetary Winds, Forces affecting Winds, Jet Stream	15
January	Topic 4 Atmospheric Moisture and Cyclone - Concept of Evaporation and Condensation, Types of Humidity and Precipitation, Climatic Regions (Koppen's) Tropical Cyclones, Monsoon - Origin and Mechanism.	15
February	University Examination	15
March	Topic 1 Introduction of Economic Geography and Economic Activity - Definition of Economic Geography, Classification of Economic Activity, Factors Affecting location of Economic Activity, Agriculture Land use Model- Von Thunen, Industrial Location Theory- Alfred Weber	15
April	Topic 2 Primary Activities - Subsistence and Commercial Agriculture, Forestry, Fishing and Mining	15
May	Topic 3 Secondary Activities - Manufacturing- Cotton Textile and Iron and Steel, Concept of Manufacturing Regions 3.3 Special Economic Zones and Technology Parks.	15
June	Topic 4 Tertiary Activities - Transportation, Trade and Services.	15

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TEACHING PLAN 2021-2022

Name of the Faculty - Dr. Nagare Vikas Bhaupatil
 Class - B.A. III

Subject - Geography

Paper No. VII & IX
 Periods- 60+60

Paper Name- Regional Planning and Development- Paper-7
 Evaluation of Geographical Thought -Paper - 10

Month	Teaching Units	Periods Days
August	Topic 1 Region and Regional Planning- Concept of Region, Types of Region	05
September	Topic 1 Region and Regional Planning- Need of Regional Planning	05
October	Topic 1 Region and Regional Planning- Types of Regional Planning	05
November	Topic 2 Delineation of Planning Region- Choice of Region for Planning, Characteristics of Ideal Planning Region	07
November	Topic 2 Delineation of Planning Region- Delineation of Planning Region, Planning Regions of India	08
December	Topic 3 Theories and Models for Regional Planning- Growth Pole Model of Perroux Centre Place Theory of Walter Christaller	15
January	Topic 4 Measuring of Development. - Indicators of Economic Development, Indicators of Social Development, Indicators of Environmental Development, Human Development index	15
February	University Examination	
March	Topic 1 History of Geographical idea: - Ancient Period Contribution of Greek & Roman, Indian Geographer Medieval Period- Arab Geographer	15
April	Topic 2 School of Geographical - The German School of Geography – Humbolt, Ritter and Ratzel , The French School of Geography Vidal – de-la- Blache, The American School of Geography Ellen Semple, British School of Geography – Mackinder	15
May	Topic 3 Dichotomy in Geography - Environmental Determinism Vs Possibilism, Physical Vs Human, Systematic Geography Vs. Regional Geography	15
June	Topic 4 Development of Geography after World War II- The Quantitative revolution in Geography: Concept, Objectives, merits. Impact of Quantitative revolution in Geography. Perspectives in Geography: Behaviouralism, Humanism, Systems Approach, Radicalism	15

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SCIENCE COLLEGE VIDYANAGAR BHOSARE**

TEACHING PLAN 2021-2022

Name of the Faculty - Dr. Nagare Vikas Bhaupatil

Class - B.A. I


Paper No. I & II

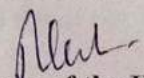
Subject - Geography

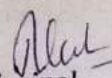
Periods- 60+60

Paper Name- Geomorphology Paper I and Human Geography - Paper II

Month	Teaching Units	Lectures
August	Topic 1 Introduction to Geomorphology - Nature and Scop, & importance	15
September	Topic 2 Earth and Earth Movements - Interior structure of the Earth, Rocks types, and characteristics, Plate Tectonic Theory, Endogenic forces: Folding and Faulting, Earthquakes and Volcanoes.	15
October	Topic 3 Geomorphic Processes - Weathering: Meaning and Types, Mass Wasting, Cycle of Erosion by W.M. Davis	15
November	Topic 4 Evolution of Landforms (Erosional and Depositional) – Fluvial, Aeolian Glacial and Coastal.	15
November	Winter Vacation	
January	Human Geography Topic 1 Introduction to Human Geography -Meaning and Definition., Nature and Scope. Branches of Human Geography, Importance of Human Geography	15
February	Topic 2 Human Race - Definition and concept, Basis of racial classification, Racial Classification of Griffith Taylor, Religious and Language Groups in the World.	15
March	Topic 3 Population - Growth of Population. Factors Affecting the Distribution of the World, Population. Distribution of the World Population. Demographic Transition Theory. Age and Sex composition	15
April	Topic 4 Human Settlements - Rural Settlements: Types, Pattern and functions. Urban Settlements: Functional classification. Urbanization and World Trend of Urbanization. Problems of urban settlement	15


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I/c.Principal
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Vidyanagar Bhosare, Dist-Solapur**

Madha Taluka Shikshan Prasarak Mandal's
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 SCIENCE COLLEGE VIDYANAGAR BHOSARE**

TEACHING PLAN 2021-2022

Name of the Faculty - Dr. Nagare Vikas Bhaupatil

Class - B.A. II


Paper No. III & V

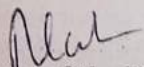
Subject - Geography

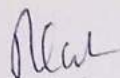
Periods- 60 +60

Paper Name- Climatology Paper -IV and ECONOMIC GEOGRAPHY Paper -V

Month	Teaching Units	Lectures
August	Topic 1 Atmospheric Composition and Structure - Climatology- Meaning and Definition, Elements of Weather and climate, Atmospheric Composition Atmospheric Structure	15
September	Topic 2 Insolation and Temperature - Factors affecting on Insolation, Distribution of Insolation, Heat Budget, Temperature- Factors, Distribution and Inversion	15
October	Topic 3 Atmospheric Pressure and Winds - Atmospheric Pressure Belts, Planetary Winds, Forces affecting Winds, Jet Stream	15
November	Topic 4 Atmospheric Moisture and Cyclone - Concept of Evaporation and Condensation, Types of Humidity and Precipitation, Climatic Regions (Koppen's) Tropical Cyclones, Monsoon - Origin and Mechanism.	15
November	Winter Vacation	
January	Topic 1 Introduction of Economic Geography and Economic Activity - Definition of Economic Geography, Classification of Economic Activity, Factors Affecting location of Economic Activity, Agriculture Land use Model- Von Thunen, Industrial Location Theory- Alfred Weber	15
February	Topic 2 Primary Activities - Subsistence and Commercial Agriculture, Forestry, Fishing and Mining	15
March	Topic 3 Secondary Activities - Manufacturing- Cotton Textile and Iron and Steel, Concept of Manufacturing Regions 3.3 Special Economic Zones and Technology Parks.	15
April	Topic 4 Tertiary Activities - Transportation, Trade and Services.	15


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TEACHING PLAN 2021-2022

Name of the Faculty - Dr. Nagare Vikas Bhaupatil

Class - B.A. III

Paper No. VII & IX

Subject - Geography

Periods- 60+60

Paper Name- Regional Planning and Development- Paper-7

Evaluation of Geographical Thought -Paper - 10

Month	Teaching Units	Periods Days
August	Topic 1 Region and Regional Planning- Concept of Region, Types of Region : (Formal and Functional) Need of Regional Planning Types of Regional Planning	15
September	Topic 2 Delineation of Planning Region- Choice of Region for Planning, Characteristics of Ideal Planning Region, Delineation of Planning Region, Planning Regions of India	15
October	Topic 3 Theories and Models for Regional Planning- Growth Pole Model of Perroux Centre Place Theory of Walter Christaller	15
November	Topic 4 Measuring of Development. - Indicators of Economic Development, Indicators of Social Development, Indicators of Environmental Development, Human Development index	15
November	Winter Vacation	
January	Topic 1 History of Geographical idea: - Ancient Period Contribution of Greek & Roman, Indian Geographer Medieval Period- Arab Geographer	15
February	Topic 2 School of Geographical - The German School of Geography – Humbolt, Ritter and Ratzel , The French School of Geography Vidal – de-la- Blache, The American School of Geography Ellen Semple, British School of Geography – Mackinder	15
March	Topic 3 Dichotomy in Geography - Environmental Determinism Vs Possibilism, Physical Vs Human, Systematic Geography Vs. Regional Geography	15
April	Topic 4 Development of Geography after World War II- The Quantitative revolution in Geography: Concept, Objectives, merits. Impact of Quantitative revolution in Geography. Perspectives in Geography: Behaviouralism, Humanism, Systems Approach, Radicalism	15

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TEACHING PLAN 2021-2022

Name of the Faculty - Dr. Patil Ranjeet Raosaheb

Class - B.Sc.-I

Paper No. II & IV

Subject - Geography

Periods- 60+60

Paper Name- Geomorphology Paper II and Human Geography - Paper II

Month	Teaching Units	Lectures
October	Geomorphology Unit I : Geomorphic Processes 1.1 Weathering 1.2 Mass Wasting 1.3 Cycle of Erosion by W.M.Davis	12
November	Unit II : Evolution of Landforms I(Erosional) 2.1 Fluvial 3.2 Aeolian	12
December	Unit II : Evolution of Landforms I(Depositional) 2.1 Fluvial 3.2 Aeolian	12
January	Unit III : Evolution of Landforms II (Erosional) 3.1 Coastal 3.2 Karst 3.3 Glacial	12
February	Unit III : Evolution of Landforms II (Depositional) 3.1 Coastal 3.2 Karst 3.3 Glacial	12
March	University Exam	
April	Human Geography Unit I : Population 1.1 Growth of Population. 2.2 Factors Affecting on the Distribution of World Population. 1.3 Distribution of the World Population. 1.4 Demographic Transition Theory. 1.5 Age and Sex composition	15
May	Unit II : Human Settlements 2.1 Rural Settlements: Types, Pattern and functions. 2.2 Urban Settlements: classification.	15
May	Unit II : Human Settlements. 2.3 Trends and patterns of World Urbanization. 2.4 Problems of urban settlement	15
June	Unit III : Agriculture 3.1 Origin and History of Agriculture 3.2 Types of Agriculture 3.3 Factors affecting on Agriculture 3.4 Problems of Agriculture	15

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TEACHING PLAN 2021-2022

Name of the Faculty - Dr. Patil Ranjeet Raosaheb

Class - B.Sc.-II

Subject - Geography

Paper No. V & VI

Periods- 60+60

Paper Name- Climatology and Economic Geography

Month	Teaching Units	Lectures
October	Climatology Unit I: Atmosphere, Weather and Climate 1.1 Climatology- Meaning and Definition 1.2 Elements of Weather and climate 1.3 Atmospheric Composition 1.4 Atmospheric Structure	12
November	Unit II: Insolation and Temperature 2.1 Factor affecting on insolation 2.2 Distribution of insolation 2.3 Terrestrial Heat Budget 2.4 Temperature- Factor, Distribution and Inversion	12
December	Unit III: Atmospheric Pressure and Winds 3.1 Atmospheric Pressure Belt 3.2 Planetary Winds 3.3 Forces affecting Winds 3.4 Jet Stream	12
January	Unit IV: Atmospheric Moisture and Cyclone 4.1 Concept of Evaporation and Condensation 4.2 Types of Humidity and Precipitation	12
February	Unit IV: Atmospheric Moisture and Cyclone 4.3 Climatic Regions (Koppen) 4.4 Tropical Cyclones 4.5 Monsoon - Origin and Mechanism	12
March	University Exam	
April	Economic Geography Unit I: Introduction and Location of Economic Activity 1.1 Concept and Classification of Economic Activity 1.2 Factors Affecting location of Economic Activity 1.3 Agriculture Landuse Model by Von Thunes 1.4 Industrial Location Theory by Alfred Weber	15
May	Unit II: Primary Activities 2.1 Subsistence and Commercial Agriculture 2.2 Forestry 2.3 Fishing and Mining	15
May	Unit III: Secondary Activities 3.1 Manufacturing- Cotton Textile and Iron and Steel 3.2 Concept of Manufacturing Regions 3.3 Special Economic Zones and Technology Parks	15
June	Unit IV: Tertiary Activities 4.1 Transport 4.2 Trade 4.3 Services	15

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TEACHING PLAN 2021-2022

Name of the Faculty - Dr. Patil Ranjeet Raosaheb

Class - B.Sc.-II

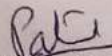
Subject - Geography

Paper No. VI & VIII

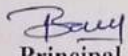
Periods- 60+60

Paper Name- Geography of India and Environmental Geography

Month	Teaching Units	Lectures
October	Geography of India Unit I: Physical Set-up 1.1 Location and Physiographic division of India 1.2 General climatic regions 1.3 Types of Soil 1.4 Types of forest	12
November	Unit II: Population 2.1 Growth of Population 2.2 Distribution of Population 2.3 Structure of Population- Age and Sex composition	12
December	Unit III: Resources and Economic Activities 3.1 Mineral Resource: Distribution and production of Iron ore and Manganese 3.2 Power resources: Distribution and production of Coal and Petroleum	12
January	Unit III: Resources and Economic Activities 3.3 Agriculture production and distribution - Rice and Wheat 3.4 Industrial development - Automobile and Information Technology	12
February	Unit IV: Social Structure and Regionalization of India 4.1 Distribution of Population by- Religion, Caste, Language and Tribes. 4.2 Regionalization of India- Physiographic (R. L. Singh) and Economic (Sengupta)	12
March	University Exam	
April	Environmental Geography Unit I: Introduction 1.1 Definition of Environmental Geography 1.2 Nature of Environmental Geography 1.3 Scope of Environmental Geography 1.4 Importance of Environmental Geography	15
May	Unit II: Human and Environment Relationships 2.1 Historical Progression 2.2 Adaptation in different Biomes	15
May	Unit III: Ecosystem 3.1 Concept & Structure of Ecosystem 3.2 Functions of Ecosystem- food chain and web 3.3 Major Ecosystem (Forest, Grassland and Marine)	15
June	Unit IV: Environmental Problems, Programmes and Policies 4.1 Environmental Problems – Pollution, Climate Change, Global Warming, Acid rain, Desertification. 4.2 Environmental Programmes and Policies – Global, National and Local levels	15


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TEACHING PLAN 2021-2022

Name of the Faculty – Miss. Khare A.A.

Class - B.A. II

Subject - Geography

Paper No. IV & VI

Periods- 60+60

Paper Name- Geography of India and Environmental Geography

Month	Teaching Units	Lectures
October	Geography of India Unit I: Physical Set-up 1.1 Location and Physiographic division of India 1.2 General climatic regions 1.3 Types of Soil 1.4 Types of Natural Vegetation	12
November	Unit II: Population 2.1 Growth of Population 2.2 Distribution of Population 2.3 Structure of Population- Age and Sex composition	12
December	Unit III: Resources and Economic Activities 3.1 Mineral Resources: distribution and production- Iron ore and Manganese 3.2 Power Resources: distribution and production- Coal and Petroleum	12
January	Unit III: Resources and Economic Activities 3.3 Agriculture production and distribution - Rice and Wheat 3.4 Industrial development - Automobile and Information Technology	12
February	Unit IV: Social and Regionalization of India 4.1 Distribution of Population by- Religion, Caste, Language and Tribes 4.2 Regionalization of India- Physiographic (R. L. Singh) and Economic (Sengupta)	12
March	University Exam	
April	Environmental Geography Unit I: Introduction I 1.1 Definition of Environmental Geography 1.2 Nature of Environmental Geography 1.3 Scope of Environmental Geography 1.4 Importance of Environmental Geography	15
May	Unit II: Human and Environment Relationships 2.1 Historical Progression 2.2 Adaptation in different Biomes.	15
May	Unit III: Ecosystem 3.1 Concept of Ecosystem 3.2 Structure of Ecosystem 3.3 Functions of Ecosystem	15
June	Unit IV: Environmental Problems, Programmes and Policies 4.1 Environmental Problems –Tropical, Temperate and Polar Ecosystems 4.2 Environmental Programmes and Policies– Global, National and Local levels	15

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TEACHING PLAN 2021-2022

Name of the Faculty – Miss. Khare A.A.

Class - B.A. III

Subject - Geography

Paper Name- Population Geography and Social Geography

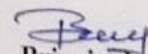
Paper No. IX & XII

Periods- 60+60

Month	Teaching Units	Lectures
October	Population Geography Unit I: Introduction to Population Geography 1.1 Definition of population geography 1.2 Nature and Scope of population Geography 1.3 Significance of population Geography 1.4 Sources of population data (Census, Statistical abstract, NSS)	12
November	Unit II. Population Growth and Distribution 2.1 Growth of World population 2.2 Factors affecting the distribution of population 2.3 Population distribution in the world 2.4 Theories of population Growth: Malthus Theory and Demographic Transition Theory	12
December	Unit III. Population Dynamics 3.1 Concept of population Dynamics 3.2 Fertility: Causes, Effects and Measures 3.3 Mortality: Causes, Effects and Measures 3.4 Migration: Types, causes and effects, Major international migration of the world after World War II	12
January	Unit IV Population Composition and Characteristics 4.1 Age-Sex Composition Causes, Effects, Measures and Characteristics 4.2 Rural and Urban Composition Causes, Effects, Measures and Characteristics	12
February	Unit IV Population Composition and Characteristics 4.3 Literacy: Effects and Characteristics 4.4 Contemporary Issues: HIV/ AIDS, and Covid 19	12
March	University Exam	
April	Social Geography Unit I: Introduction of Social Geography 1.1 Definition of Social Geography 1.2 Nature and Scope of Social Geography 1.3 Branches of Social Geography 1.4 Approaches and Importance of Social Geography	15
May	Unit II. Peopling Process of India 2.1 Concept of peopling process 2.2 Technological Changes 2.3 Occupational Changes 2.4 Migration	15
May	Unit III. Social Categories and their spatial distribution of World 3.1 Tribe- (Bushman and Gond) 3.2 Race 3.3 Religion	15
June	Unit IV. Social Welfare, Wellbeing and Social Problems in India 4.1 Concept of Social Welfare and Wellbeing 4.2 Components of Social Welfare and Wellbeing – Healthcare, Housing and Education 4.3 Social Problems- Slums, Communal Conflicts and Crime	15

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TEACHING PLAN 2021-2022

Name of the Faculty – Miss. Khare A.A.

Class - B. Com-I

Subject - Geography

Paper Name- Commercial Geography and Marketing Geography

Paper No. I & II

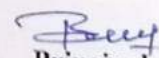
Periods- 60+60

Month	Teaching Units	Lectures
October	Commercial Geography Unit I: Introduction to Commercial Geography 1.1 Meaning of Commercial Geography 1.2 Nature of Commercial Geography	12
November	Unit I: Introduction to Commercial Geography 1.3 Scope of Commercial Geography 1.4 Significance of Commercial Geography	12
December	Unit II. Resources 2.1 Meaning & importance of Resources 2.2 Classification of Resources 2.3 Conservation of Resources & sustainable economic development. 2.4 Major Bio-Resources & their international trade	12
January	Unit III. Economic Activities 3.1 Factors affecting on Economic activities. 3.2 Classification of Economic activities. 3.3 Role of Economic activities in Indian economy	12
February	Unit IV. Globalization 4.1 Meaning of Globalization 4.2 Globalization & Indian Economy 4.3 Trade Organizations – WTO, OPEC, EEC, UNCTAD	12
March	University Exam	
April	Marketing Geography Unit I: Introduction to Marketing Geography 1.1 Definition of Marketing Geography 1.2 Nature and Scope of Marketing Geography 1.3 Importance of Marketing Geography 1.4 Primary Components of Marketing Geography	15
May	Unit II. Market System 2.1 Definition of Market 2.2 Structure & Significance of Markets. 2.3 Geographical factors affecting Market system. 2.4 Classification of Markets.	15
May	Unit III. Transportation and Marketing 3.1 Role of transportation in marketing. 3.2 Road and Rail Transportation: Merits and Demerits, Major Routs in the World. 3.3 Water Transportation: Merits and Demerits, Major Water Routs in the World. 3.4 Air Transportation: Merits and Demerits, Major Air Routes in the World	15
June	Unit IV. Tourism Marketing in India 4.1 Meaning and Importance of Tourism 4.2 Tourism in modern period in India 4.3 Major Tourist centers in India	15

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TEACHING PLAN 2021-2022

Name of the Faculty – Prof. Band A. A.

Class - B.A.-I

Paper No. I & II

Subject – Compulsory

Periods- 60+60

Paper Name- Science Technology and Development and Science Technology and Development

Month	Teaching Units	Lectures
October	Unit I Introduction of Science and Technology 1.1) Science and Technology – Definition, Nature and Scope. 1.2) Fundamental concepts in scientific thinking. 1.3) Scientific Methodology of Study. 1.4) Science and superstitions. 1.5) Scientific approach and social development	12
November	Unit II: Science and Technology and Development 2.1) A brief survey of development of Science and Technology 2.2) Life sketches and scientific contribution of Bhaskaracharya, Dr. Jagdishchandra Basu, Dr. Homi Bhabha, Dr. A.P.J. Abdul Kalam, Galileo, Albert Einstein, Marie Curie and Edison	12
December	Unit III Solar System and Our Earth 3.1) Solar System - Position of the Earth 3.2) Origin of the Earth 3.3) Interior of the Earth	12
January	Unit III Solar System and Our Earth 3.4) Forces acting on the Earth Endogenic and Exogenic Forces 3.5) Earthquakes: Reason, Effect and Preventive Measures	12
February	Unit IV: Resources 4.1) Resources: Concept, Classification and Conservation 4.2) Conventional power resources: Coal, Petroleum, Natural Gas, Hydal Power 4.3) non-Conventional power Resources: Solar Energy, Wind and Atomic energy	12
March	University Exam	
April	Unit I : Science Technology and Agriculture 1.1) Science and Technological Advances in agriculture such as Irrigation, Fertilizers, High Yielding Variety Seeds, plant protection methods. 1.2) Green Revolution 1.3) Bio-technology in agriculture, Tissue culture and cloning. 1.4) Problems of Modern agriculture and their solutions.	15
May	Unit II : Science Technology and Human Health 2.1) Brief history of Medical Science with special reference to India. 2.2) Nutrition – Concept, components; Balanced diet. 2.3) Disease – A brief study of AIDS and cancer - causes, effects and preventive measures.	15
May	Unit III : Science Technological Institutions in India 3.1) Bhabha Atomic Research Centre -Mumbai 3.2) Haffkin Institute-Mumbai 3.3) Indian Institution of Space Science and Technology-Thiruvananthapuram. 3.4) Indian Agricultural Research Institute-New Delhi. 3.5) National Institute of Oceanography-Panjim. 3.6) Survey of India – Dehradun	15
June	Unit IV : A) Communication	15

4.1) Means of Communication and their application : Telephone, Television, Internet Mobile etc. 4.2) Computer – Generation and application 4.3) Introduction of Remote Sensing, GIS and GPS

.B) Pollution

4.4) Pollution - Air Pollution, Water Pollution, Sound and Soil Pollution – causes, effect and their measures.

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TEACHING PLAN 2021-2022

Name of the Faculty – Prof. Band A. A.

Class - B.A.-II

Subject – I.D.S. (Generic Elective I)

Paper No. I & II

Periods- 60+60

Paper Name- Introduction to Tourism Geography and Tourism In India

Month	Teaching Units	Lectures
October	<p>Unit I: Introduction to Tourism Geography 1.1 Definition, Nature and Scope of tourism geography 1.2 Importance of tourism geography 1.3 Recent Trends in tourism geography: Ecotourism, Agro Tourism</p> <p>Unit II. Factors Affecting on tourism Development 2.1 Physical Factors: Relief, Climate, Vegetation Wild Life, water Bodies 2.2 Socio Cultural Factors: Religion, Historical, Cultural and Sports 2.3 Economical Factors: Transportation, Industry, Hotel and Accommodation</p>	12
November	<p>Unit III. Classification of Tourism and tourism Marketing 3.1 Classification Of Tourism Based On: Nationality: International, Domestic Time: Long Term, Short Term, Holiday Tourism, Day Trippers Distance: Global, Continental, Regional, and Local Number of Tourist – Groups, Individual Mode of Transportation – Road, Railway, Air Way And Water Way Purpose of Travels – Recreation, Realigns, Health, Sport</p>	12
December	<p>Unit III. Classification of Tourism and tourism Marketing 3.2 Marketing of Tourism: Tourism product and services, Characteristics of Tourism Marketing. 3.3 Function of Tourism marketing: Marketing Research, Advertisement, and Sale Support Public Relation, Tourism Publication</p>	12
January	<p>Unit IV (A) Infrastructure and support service 4.1 Transportation Mode - Road, Railway, Air Way and Water Way 4.2 Agencies and guides 16 4.3 Accommodation type – Hotel, Motels, Dharamshala, Government Accommodation, tourist Houses, Youth Hostel, Tent, house Boat, Private Accommodation, Resort</p>	12
February	<p>Unit IV (B) Impact of Tourism 1. Impact On Physical Environment: Air And Water Pollution, Solid Waste And Its Littering, Loss Of Bio- Diversity 2. Impact On Economy: Growth Of Economy, Employment Generation, Infrastructure Development 3. Impact On Social Environment: Crime, Cultural encroachment</p>	12
March	University Exam	
April	<p>Unit I: Tourism Development in India: 1.1 Historical Background 1.2 Development after Second World War 1.3 Role of Tourism in National Economy.</p>	15
May	<p>Unit II : Geographical and Historical Places in India 2.1 Geographical Tourist Places:-Hill Stations, Sanctuaries and National parks, Lakes & Beaches 2.2 Historical Places:-Fort cities, Capital Cities</p>	15
May	<p>Unit III : Planning of Tourism 3.1 Concept of Tourism Planning 3.2 National Planning 3.3 Regional Planning 3.4 Local Planning 3.5 Problems of Tourism Planning</p>	15

2015-16

June	Unit IV: A) Religious and cultural Tourist places in India 4.1 Hindu Religious centers 4.2 other religious centers 4.3 Cultural centers B) Tourist places in Solapur District: Religious, Historical. Major fairs (Yatra and Pandharpurwari)	15
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I/c. Principal
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TEACHING PLAN 2021-2022

Name of the Faculty – Prof. Band A. A.

Class - B.A.-III

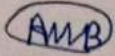
Subject – Geography

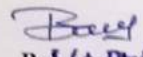
Paper No. VIII & XI

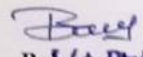
Periods- 60+60

Paper Name- Urban Geography and Political Geography

Month	Teaching Units	Lectures
October	Unit I: Introduction to Urban Geography 1.1 Meaning and definition of Urban Geography 1.2 Nature and scope of Urban Geography. 1.3. Approaches of Urban Geography 1.4. Significance of Urban Geography	12
November	Unit II. Patterns of Urbanization 2.1 Meaning of urban settlement and Urbanization 2.2 Concept and factors of urbanization 2.3 Patterns of Urbanization in developed and developing countries	12
December	Unit III. Function, Structure and Morphology of Urban centers 3.1 Functional classification of town and cities 3.2 Structure and morphology of urban centers 3.3 City Regions and C.B.D. 3.4 Models of urban Morphology; The Concentric Zone Theory, The Sector Theory and the Multi-Nuclei Theory	12
January	Unit IV. Urban Issue and Case studies 4.1 Problems of housing and growth of slums 4.2 Issues of civic amenities (Water and Transport)	12
February	Unit IV. Urban Issue and Case studies 4.3 Problems of environmental pollution 4.4 Case studies of Solapur smart city and Pandharpur town (with reference to Land use and Urban Issues)	12
March	University Exam	
April	Unit I. Introduction of Political Geography 1.1 Definition of Political Geography 1.2 Nature and Scope of Political Geography 1.3 Historical Development of Political Geography 1.4 Significance of Political Geography	15
May	Unit II. Concepts in Political Geography 2.1 Concept of State, Nation, State- Nation, Frontiers and Boundaries 2.2 Elements of State: Location, Shape, Size, Topography, Climate, Vegetation, Resources, Population and Communication. 2.3 Concept of Geopolitics	15
May	Unit III. Theories in Political Geography 3.1 The Heartland Theory of H. J. Mackinder 3.2 Rim Land Theory of N. J. Spykman	15
June	Unit IV Resource Conflicts and Politics of Displacement 4.1 Krishna Water Conflict (Inter State) 4.2 Ganga Water Conflict (International) 4.3 Issues of Relief, Compensation and Rehabilitation: Sardar Sarovar Projects 4.4 Issues of Relief, Compensation and Rehabilitation: Ujani Projects	15


Signature of the Faculty


Signature of the HOD
Head, Department of Geography


Principal
K.N.Bhise Arts, Commerce &
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Vidyanagar, Bhosare Dist. Solapur

TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher: Prof. Dr. Kambale Prakash Sadashiv Class and Sem. B. A. I Sem. I
 Subject: Marathi (Opt.) Title and Paper No. - साहित्यरंग (Opt.)

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Oct.2021	Syllabus Discussion	1	0	Lecture, Interactive
2	Oct.2021	कथा	15	0	Lecture, Interactive, ICT, Problem Solving
		1.डोळे :अण्णाभाऊ साठे			
		2.डुंगळी चोर			
3	Nov.2021	3.मिटींग	15	0	Lecture, Interactive, ICT, Problem Solving
		4.वाट :चारुता सागर			
		5.भूक:बाबुराव बागूल			
4	Dec. 2021	6.यंत्रमानवाच्या हाताने	15	0	Lecture, Interactive, ICT, Problem Solving
		7.पक्षी जाय दिगंतरा			
		8.हातचा एक			
5	Jan. 2021	9.बाबांचा अभ्यास :द.मा.मिरासदार	15	0	Lecture, Interactive, ICT, Problem Solving
		कौशल्यावर आधारित घटक			
		1.भाषण कला			
		2.भाषणाची पूर्वतयारी			
		3.भाषणाची रूपरेखा			

Teacher


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MADHA TALUKA SHIKSHANPRASARAK MANDAL'S
K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL SCIENCE COLLEGE, VIDYANAGAR, BHOSARE
NAAC RE-ACCREDITED 'B' GRADE
PARANDA ROAD, KURDUWADI TAL-MADHA DIST-SOLAPUR PIN-413 208 (MAHARASHTRA)
Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Dr. Kamble Prakash Sadashiv


Class and Sem. B. A. I Sem. II

साहित्यरंग (Opt.)

Subject Marathi (Opt.) Title and Paper No.

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Feb. 2022	Syllabus Discussion	1	0	Lecture, Interactive
2	Feb. 2022	1. केशवसुत : अ. नवा शिपाई ब. प्रीती 2. विंदा करंदीकर : अ. घेता ब. सब घोडे बारा टक्के 3. ग. दि. माडगूळकर : अ. हे राष्ट्र देवतांचे ब. विठ्ठला, तू वेडा कुंभार	15	0	Lecture, Interactive, ICT, Problem Solving
3	Mar. 2022	4. मंगेश पाडगावकर : अ. सांगा कस जगायचे ? ब. ग्रंथ आमचे साथी	15	0	Lecture, Interactive, ICT, Problem Solving
4	April. 2022	5. मुनेरबी शेख : अ. आई बापान लेक दिली 6. नामदेव ढसाळ : अ. दर्ग्याच्या वाटेवर 7. शांता शेळके : अ. असेन मी नसेन मी ब. पैठणी	15	0	Lecture, Interactive, ICT, Problem Solving
5	May. 2022	8. प्रजा लोखंडे : अ. काजळी कौशल्यावर आधारित घटक 1. कार्यालयीन पत्रव्यवहार 2. आवक जावक 3. मागणी अर्ज	15	0	Lecture, Interactive, ICT, Problem Solving


Teacher


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TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher: Dr. Mohite Sarika Vishnudas

Class and Sem. B Com I Sem I

Subject Marathi (Compulsory)

Title and Paper No.

साहित्यदर्पण (Compulsory)

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method Required
			Theory	Practical	
1	Oct. 2021	Syllabus Discussion	1	0	Lecture, Interactive
2	Oct. 2021	गद्य विभाग 1. लेकरूवासवेआरोगणे 2. अहिल्यबाई आणि रूढी परंपरा 3. नवीन ग्रंथांची आवश्यकता 4. परोपकारी गपू	15	0	Lecture, Interactive, R.T., Problem Solving
3	Nov. 2021	5. वाटणी 6. अनगड पद्य विभाग 1. संतवाणी	15	0	Lecture, Interactive, R.T., Problem Solving

		<ul style="list-style-type: none"> • अवधिता परिमळू • विरू माझा लेखकवाळ • नीति <p>2 सत्य सजीचे भाटी घर</p> <p>3 पेम आणि मरण</p> <p>4 अखेर कमाई</p>			
4	Dec 2021	<p>5 भेटेन नऊ महिन्यानी</p> <p>6 माणूस</p> <p>7 प्रगतिपुस्तक</p>	15	0	Lecture, Interactive, I.C.T., Problem Solving
5	Jan 2022	<p>कौशल्यार आधारित घटक</p> <p>1.इटरनेट आणि मराठी</p> <p>2.मराठी विकिपीडिया</p> <p>3.प्रमाण मराठी लेखन नियम</p> <p>4. प्रमाण मराठी लेखन नियमानुसार सराव</p>	15	0	Lecture, Interactive, I.C.T., Problem Solving



Teacher



Head

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TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher: Dr. Mohite Nandkya V. Jondlay Class and Sem. B Com I Sem II

Subject Marathi Title and Paper No. साहित्यदर्पण (Compulsory)

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Mar. 2022	Syllabus Discussion	1	0	Lecture Interactive
2	Mar 2022	गद्य विभाग	15	0	Lecture. Interactive. I.C.T. Problem Solving
		1. राजकर्तव्य			
		2. भारतीय लोकशाहीचे भवितव्य काय?			
		3. जीवन आणि शिक्षण			
		4. कला आणि साहित्य			
		5. मॉडेनिंग आणि मी			
3	Apr. 2022	पद्य विभाग	15	0	Lecture. Interactive. I.C.T. Problem Solving
		1. सतवाणी			
		<ul style="list-style-type: none"> विटेवरी उभा दीनाचा केवारी अवघा रंग एक झाला ओले मूळ भेदी छडकाचे अंग 			

	2 फुलराणी			
	3 मरीचर मरी आल्या म			
	4 रकामाचे औढ मालीची			
4	May 2022	5 फुकर	15	0
		6 टसरा		
		7 जीवाचा आटापिटा		
		कौशल्यावर आधारित घटक		
		1 निबंध लेखन		
5	March	2 निबंधाचे स्वरूप व घटक	15	0
		3 निबंधाचे प्रकार		
		4 निबंधाचे सराव		
				Lecture Interactive, ICF Problem Solving
				Lecture, Interactive, ICF, Problem Solving



Teacher



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Principal

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Vidyanagar Bhosare, Dist-Solapur

Teaching Plan for the Year 2021-22


Name of the Teacher: Dr. S.V. Mohite


Class and Sem. B. A II Sem III

Subject Marathi (Opt)

Title and Paper No. कादंबरी वाग्मय प्रकार व उपयोजित मराठी- III

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theor y	Practical	
1	June	Syllabus Discussion	2	0	Lecture, Interactive
2	July	कादंबरी: संकल्पना व स्वरूप अ. कादंबरी: संकल्पना व स्वरूप ब. कादंबरीसंज्ञा व व्याख्या क. मराठी कादंबरीची वाटचाल	15	0	Lecture, Interactive, ICT, Problem Solving
3	August	2. अण्णाभाऊ साठे: जीवन व साहित्य अ. अण्णाभाऊ साठे : परिचय ब. अण्णाभाऊ साठे : व्यक्ती आणि वाग्मय क. अण्णाभाऊ साठेयांच ललित विषयक भूमिका	15	0	Lecture, Interactive, ICT, Problem Solving Screening movie of the Text
4	Sept.	3. वारणेचा वाघ--स्वरूप व समीक्षा अ. वारणेचा वाघकादंबरीचे कथानक, व्यक्तिरेखा, घटनाप्रसंग, वातावरण ब. वारणेचा वाघकादंबरी व चित्रपट यातील माध्यमांतर	15	0	Lecture, Interactive, ICT, Problem Solving, Screening movie of the Text


Teacher


Head,
Head, Department of Marathi K.N. Bhise Arts, Commerce &
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Vidyanagar Bhosare, Dist-Solapur

Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Dr. P.S. Kamble **Class and Sem.** B. A. II Sem III

Subject Marathi (Opt.) **Title and Paper No.** कविता वाग्मय प्रकार आणि काव्यास्वाद IV

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Syllabus Discussion	2	0	Lecture, Interactive
2	July	1.कविता :संकल्पना व स्वरूप अ. कविता :संकल्पना व स्वरूप ब. कविता संज्ञा व व्याख्या क. मराठी कवितेची वाटचाल	15	0	Lecture, Interactive, ICT, Problem Solving
3	August	2.वसंत बापट :जीवन व साहित्य अ. वसंत बापट :परिचय ब. लेखक:व्यक्ती आणि वाग्मय क.वसंत बापट यांची काव्यविषयक भूमिका	15	0	Lecture, Interactive, ICT, Problem Solving Screening movie of the Text
4	Sept.	3.सेतू कवितासंग्रहाचे स्वरूप व समीक्षा :अ.कवितांचे वर्गीकरण ब. कवितांची आशयसूत्रे क.कवितामधील जीवनदर्शन ड. कवितांची भाषा	15	0	Lecture, Interactive, ICT, Problem Solving, Screening movie of the Text
5	Oct.	4.. काव्यास्वाद :१. कवितेचे वाचन २. कवितेचे वर्गीकरण व स्वरूप ३. कवितेचे भावसौंदर्य 4. कवितेचे रसग्रहण	15	0	Lecture, Interactive, ICT, Problem Solving

Teaching Plan for the Year 2021-22

Name of the Teacher: Dr. Sarika Vishnudas Mohite		Class and Sem.	B. A. III Sem. V
Subject	Marathi (Opt.)	Title and Paper No.	मध्ययुगीन मराठी वाण्मयाचा इतिहास

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Aug.2021	Syllabus Discussion	2	0	Lecture, Interactive
2	Aug.2021	1.मराठी भाषा उत्पत्ती काळ व आद्य ग्रंथ : अ. मराठी भाषेचा उत्पत्ती विचार ब. मराठी भाषा उत्पत्ती काळ क.मराठीतील आद्य ग्रंथ स्वरूप व विशेष ड .मराठी भाषेची ग्रंथ परंपरा	15	0	Lecture, Interactive, ICT, Problem Solving
3	Sept.2021	2.महानुभवीय वाग्मय :प्रेरणा,स्वरूप वैशिष्ट्य अ महानुभवीय संप्रदाय विचार व कार्य ब.महानुभवीय वाग्मय :प्रेरणा,स्वरूप वैशिष्ट्य क.महानुभवीय वाग्मय : स्वरूप	15	0	Lecture, Interactive, ICT, Problem Solving Screening movie of the Text
4	Oct.2021	वारकरी संप्रदाय :प्रेरणा,स्वरूप वैशिष्ट्ये अ वारकरी संप्रदायस्वरूप ब. वारकरी संप्रदायविचार व कार्य	15	0	Lecture, Interactive, ICT, Problem Solving. Screening movie of the Text


		क. सत जानेश्वर ड. सत मेला			
5	Nov.2021	4. वारकरी संप्रदायातील संतविद्य १. सत नामदेव २. सत एकनाथ ३. सत तुकाराम ४. वारकरी साहित्याची वैशिष्ट्ये	15	0	Lecture. Interactive. ICT. Problem Solving


Teacher




Head

Head, Department of Marathi
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Teaching Plan for the Year 2021-22

Name of the Teacher: Dr. Sarika Vishnudas Mohite		Class and Sem.	B. A. III Sem. VI
Subject	Marathi (Opt.)	Title and Paper No.	मध्ययुगीन मराठी वाङ्मयाचा इतिहास

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Mar.2022	Syllabus Discussion	2	0	Lecture, Interactive
2	Mar.2022	1.पंडिती वांग्मय अ. पंडिती वांग्मयप्रेरणा,स्वरूप वैशिष्ट्य ब. मुनेश्वर क. गृधनाथ पंडित ड. वामन पंडित	15	0	Lecture, Interactive, ICT, Problem Solving
3	Apr.2022	2.शाहिरी वांग्मय :प्रेरणा,स्वरूप वैशिष्ट्य अ शाहिरी वांग्मय :प्रेरणा,स्वरूप वैशिष्ट्य ब. अनंत फंदी क. परशुराम ड. प्रभाकर ई. राम जोशी व होनाजी बाळा	15	0	Lecture, Interactive, ICT, Problem Solving Screening movie of the Text
4	May2022	3.बखर वांग्मय:प्रेरणा,स्वरूप वैशिष्ट्ये अ. बखर वांग्मय :प्रेरणा,स्वरूप वैशिष्ट्ये ब. महिकावतीची बखर क. सभामद बखर	15	0	Lecture, Interactive, ICT, Problem Solving, Screening movie of the Text

	ड.पानिपत बखर ई.आजापत्र				
5	Jun.2022	4.मध्ययुगीन कालखंडातील अन्य संप्रदाय १.दत्त संप्रदाय २.वीरशैव संप्रदाय ३.नागेश संप्रदाय ४.ममर्थ संप्रदाय	15	0	Lecture, Interactive, ICT, Problem Solving


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Name of the Teacher: Dr. Sarika Arshinulhas Mohite Class and Sem. B. A. III Sem. V

Subject: Marathi (Opt.) Title and Paper No. एमएटी 2.3 मराठी

Sl. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Aug 2021	Syllabus Discussion	2	0	Lecture Interactive
		1 कार्यालयीन पारिभाषिक शब्द :			
		अ. पारिभाषिक शब्द स्वरूप			
2	Aug 2021	ब कार्यालयीन पारिभाषिक शब्द	15	0	Lecture Interactive, I.C.T. Problem Solving
		क न्यायालयीन पारिभाषिक शब्द			
		2 पारिभाषिक शब्द निर्माण करणे			
		2 इ-मराठी लेखन :			
3	Sept 2021	अ इ-पत्र लेखन	15	0	Lecture Interactive, I.C.T. Problem Solving
		ब इ-व्लॉग .. इत्यादी			
		3.मुद्रितशोधन :			
4	Oct 2021	अ मुद्रितशोधन म्हणजे काय?	15	0	Lecture Interactive, I.C.T. Problem Solving.
		ब मुद्रितशोधकाची भूमिका			
		स्पर्धा परीक्षेतील मराठी भाषेचे महत्व			
		1 विविध स्पर्धा परीक्षांचे स्वरूप व मराठी भाषेचे महत्व			
5	Nov 2021	2 विविध स्पर्धा परीक्षांदरत व मराठी भाषेचे स्वरूप	15	0	Lecture Interactive, I.C.T. Problem Solving


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Teaching Plan for the Year 2021-22

Name of the Teacher: Dr. Sarika Vishnudas Mohite		Class and Sem. B. A. III Sem. VI
Subject Marathi (Opt.)	Title and Paper No.	उपयोजित मराठी

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Mar.2022	Syllabus Discussion	2	0	Lecture, Interactive
2	Mar.2022	<ul style="list-style-type: none"> • जाहिरात लेखन • जाहिरात लेखन म्हणजे काय? • जाहिरात लेखन संकल्पना व स्वरूप • जाहिरात लेखन व मराठी भाषेचे कौशल्य • जाहिरात संहिता लेखन 	15	0	Lecture, Interactive, ICT, Problem Solving
3	Apr.2022	<p>3. निवेदन कौशल्य</p> <ul style="list-style-type: none"> • निवेदनस्वरूप व व्याप्ती • निवेदन कौशल्य महत्व व प्रकार • आकाशवाणीसाठी निवेदन कौशल्य 	15	0	Lecture, Interactive, ICT, Problem Solving Screening movie of the Text
4	May 2022	<p>3. ग्रंथ परीक्षण</p> <ul style="list-style-type: none"> • ग्रंथ परीक्षण: स्वरूप • कथासंग्रह परीक्षण • नाटक परीक्षण • कवितासंग्रह परीक्षण 	15	0	Lecture, Interactive, ICT, Problem Solving, Screening movie of the Text
5	Jun.2022	<p>4. स्वानुभवपर ललित लेखन</p> <ul style="list-style-type: none"> • ललित लेखन संकल्पना, स्वरूप • प्रवासवर्णनपर, निसर्गवर्णनपर, स्थलवर्णनपर • लेखन 	15	0	Lecture, Interactive, ICT, Problem Solving


Teacher


Head,
Head, Department of Marathi
KNBAC & VPS College, Bhosare.


Principal
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Vidyanagar Bhosare, Dist-Solapur

TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher: Prof. Dr. P. N. Kamble

Class and Sem. B. A. III Sem. V

Subject: Marathi

Title and Paper No.

भाषाविज्ञान व व्याकरण

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Aug. 2021	Syllabus Discussion	1	0	Lecture, Interactive
		भाषा, संकल्पना व स्वरूप			
2	Aug. 2021	<ul style="list-style-type: none"> भाषा शब्दांचे व्याख्या भाषेचे घटक ध्वनी शब्द अर्थ भाषिक व भाषेतर संघेपण भाषेची वैशिष्ट्य व कार्य 	15	0	Lecture, Interactive I.C.T. Problem Solving
		भाषाभ्यासाची परंपरा			
3	Sept. 2021	<ul style="list-style-type: none"> प्राचीन भाषाभ्यास ऐतिहासिक भाषाभ्यासाचे स्वरूप अनवगत-बहीवगत लिप्यात मराठी भाषेची पूर्वपीठीका 	15	0	Lecture, Interactive. I.C.T. Problem Solving
		भाषिक परिवर्तन			
4	Oct. 2021	<ul style="list-style-type: none"> भाषिक परिवर्तनाचे स्वरूप ध्वनिपरिवर्तन करणे व प्रकार अर्थपरिवर्तन करणे व प्रकार 	15	0	Lecture, Interactive. I.C.T. Problem Solving
		मराठीचे व्याकरण			
5	Nov. 2021	<ul style="list-style-type: none"> व्याकरण स्वरूप मराठीची वर्णमाला शब्दाचे प्रकार 	15	0	Lecture, Interactive. I.C.T. Problem Solving

Teacher

P. N. Kamble
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Teaching Plan for the Year 2021-22

Name of the Teacher: Dr. Sarika Vishnuadas Mohite Class and Sem. B. A. III Sem. V

Subject: Marathi (Opt.) Title and Paper No. साहित्यशास्त्र

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Aug. 2021	Syllabus Discussion	2	0	Lecture, Interactive
2	Aug. 2021	1. साहित्याची लक्षणे : अ भारतीय साहित्य शास्त्राचा स्थूल परिचय शब्द रस, रीती, वक्रोक्ती, औचित्य या सिद्धांताच्या अनुरोधाने ब पाश्चिमात्य साहित्य लक्षणाचा स्थूल परिचय कल्पना, भावना.	15	0	Lecture, Interactive, ICT, Problem Solving
3	Sept. 2021	2. साहित्याचे प्रयोजन : अ प्राचीन ब आधुनिक	15	0	Lecture, Interactive, ICT, Problem Solving Screening movie of the Text
4	Oct. 2021	3. साहित्यनिर्मितीची जनक कारणे : अ साहित्यनिर्मितीचे स्वरूप ब कल्पनाशक्ती, मानसिक स्वास्थ्य	15	0	Lecture, Interactive, ICT, Problem Solving, Screening movie of the Text
5	Nov. 2021	4 शब्दशक्ती : १. अभिधा २. लक्षणा ३. व्यंजना	15	0	Lecture, Interactive, ICT, Problem Solving


Teacher


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Teaching Plan for the Year 2021-22


Name of the Teacher: Dr. Sarika Ashwimadas Mohite Class and Sem. H. A. III Sem. VI

Subject: Marathi (Opt.) Title and Paper No. साहित्यशास्त्र

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Mar 2022	Syllabus Discussion	2	0	Lecture, Interactive
2	Mar 2022	1. रसविचार • रस म्हणजे काय? • रस संकल्पना व स्वरूप • रससंख्या • भरतमुनीचेरससुत्र	15	0	Lecture, Interactive, ICT, Problem Solving
3	Apr 2022	2. काव्यानंदमीमांसा • काव्यानंद कसा प्राप्त होतो? • काव्यानंद उपपत्ती	15	0	Lecture, Interactive, ICT, Problem Solving
4	May 2022	3. साहित्यप्रकारांचा अभ्यास • कविता • कथा • कादंबरी, नाटक	15	0	Lecture, Interactive, ICT, Problem Solving, Screening movie of the Text
5	Jun 2022	4. साहित्यमूल्ये • भावनाशीलता • काल्पनिकता • अनुभवशीलता	15	0	Lecture, Interactive, ICT, Problem Solving


Teacher


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Vidyanagar Bhosare, Dist-Solapur

Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Dr. Mohite S.V.	Class and Sem. B. A. II Sem. IV
Subject Marathi (Opt.)	Title and Paper No. ललित गद्य व उपयोजित मराठी- V

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Syllabus Discussion	2	0	Lecture, Interactive
2	July	ललित गद्य:संकल्पना व स्वरूप अ. ललित गद्य :संकल्पना व स्वरूप ब. ललित गद्यसंज्ञा व व्याख्या क. मराठी ललित गद्यवाटचाल	15	0	Lecture, Interactive, ICT, Problem Solving
3	August	2निर्मलकुमार फडकुले:जीवन व साहित्य अ .निर्मलकुमार फडकुले :परिचय ब. निर्मलकुमार फडकुले :व्यक्ती आणि वाग्मय क.निर्मलकुमार फडकुलेयाची ललित गद्य विषयक भूमिका	15	0	Lecture, Interactive, ICT, Problem Solving Screening movie of the Text
4	Sept.	2. हिरव्या वाटा--स्वरूप व समीक्षा 3. अ. समाजचित्रण ब. आशयसूत्रे क. जीवनदर्शन	15	0	Lecture, Interactive, ICT, Problem Solving, Screening movie of the Text

४ सामग्य विशेष

४ उपयोजित मराठी

१ माराश लेखन प्रकृतीचे बरवाड

२ ५५५

२ माराश लेखन घटक व माराश

१५

०

Lecture
Interactive H. I
Problem Solving

३ माराश लेखन स्वरूप

४ माराश लेखन नमुने


Teacher


Head

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Teaching Plan for the Year 2021-22

Name of the Teacher: Dr. Kamble P.S.

Class and Sem. [B. A. II Sem. IV

Subject Marathi (Opt.)

Title and Paper No.

नाटक वांग्मय प्रकार व उपयोजित मगशी- VI

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Syllabus Discussion	2	0	Lecture, Interactive
2	July	1. नाटक वांग्मय प्रकार: संकल्पना व स्वरूप अ. नाटक: संकल्पना व स्वरूप ब. नाटक एक साहित्य प्रकार क. नाटकाचे घटक	15	0	Lecture, Interactive, ICT, Problem Solving
3	August	2. वसंत कानेटकर: जीवन व साहित्य अ. वसंत कानेटकर : परिचय ब. वसंत कानेटकर : व्यक्ती आणि वांग्मय क. वसंत कानेटकर यांची नाट्यविषयक विषयक भूमिका	15	0	Lecture, Interactive, ICT, Problem Solving Screening movie of the Text
4	Sept.	3. प्रेमा, तुझा रंग कसा? - नाटकाचे स्वरूप व समीक्षा अ. प्रेमा, तुझा रंग कसा? - नाटकाचे कथानक ब. पात्रचित्रण क. घटनाप्रसंग	15	0	Lecture, Interactive, ICT, Problem Solving. Screening movie of the Text

		४ सवाद व भाषा			
5	Oct.	4. उपयोजित मराठी १. अहवाल म्हणजे काय? २. अहवाल लेखन घटक व महत्व ३. अहवाल लेखन स्वरूप	15	0	Lecture, Interactive, I.C.T. Problem Solving

Teacher

Bhise
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Bhise
Principal

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Vidyanagar Bhosare, Dist-Solapur

Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Dr. P.S. Kamble		Class and Sem. : B. A. III Sem. V	
Subject : Marathi (Opt.)	Title and Paper No.	आधुनिक मराठी साहित्यातील विविध प्रवाह	

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Aug. 2021	Syllabus Discussion	2	0	Lecture, Interactive
2	Aug. 2021	1. ग्रामीण साहित्य अ. ग्रामीण साहित्य : संकल्पना व स्वरूप ब. ग्रामीण साहित्याची प्रेरणा क. ग्रामीण साहित्य : भाषा	15	0	Lecture, Interactive, ICT, Problem Solving
3	Sept. 2021	1. नेमलेली कलाकृती - चैत (कादंबरी) अ. कादंबरी स्वरूप ब. लेखक व्यक्ती आणि वांगमय क. कादंबरी स्वरूप, वैशिष्ट्ये ड. साहित्याची भाषा	15	0	Lecture, Interactive, ICT, Problem Solving Screening movie of the Text
4	Oct. 2021	3. दलित साहित्य : अ. दलित साहित्य: प्रेरणा, स्वरूप, वैशिष्ट्ये ब. दलित साहित्य: वाटचाल क. दलित साहित्याची सामाजिक व सांस्कृतिक पार्श्वभूमी	15	0	Lecture, Interactive, ICT, Problem Solving. Screening movie of the Text

5	Nov.2021	<p>1. नेमलेली कलाकृती :आंदकोळ (किसन घट्टाण)</p> <p>२.दलित आत्मकथन स्वरूप व वाटचाल</p> <p>३.लेखक :व्यक्ती व वाग्मय</p> <p>3. आंदकोळआत्मकथनाचे स्वरूप</p>	15	0	Lecture. Interactive. ICT. Problem Solving
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Bhise
Teacher

Bhise
Head

Head, Department of Marathi
KNBAC & VPS College, Bhosare.

Bhise
I/c.Principal

K.N.Bhise Arts,Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare,Dist-Solapur

Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Dr. P.S. Karbhade

Class and Sem. B. A. Ed Sem. VI

Subject Marathi (Opt.) Title and Paper No.

साहित्यिक अंगी साहित्यशास्त्र विविध प्रकार

Sl. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Mar 2022	Syllabus Discussion	2	0	Lecture, Interactive
2	Mar 2022	1. ग्रामीण साहित्य अ. ग्रामीण साहित्य संकल्पना व स्वरूप ब. ग्रामीण साहित्याची प्रेरणा क. ग्रामीण साहित्य : भाषा	15	0	Lecture, Interactive, B. I, Problem Solving
3	Apr. 2022	1. नेमलेली कलाकृती - चैत (कादंबरी) अ. कादंबरी स्वरूप ब. लेखक व्यक्ती आणि वाग्मय क. कादंबरी स्वरूप , वैशिष्ट्ये ड. साहित्याची भाषा	15	0	Lecture, Interactive, B. I, Problem Solving, Screening movie of the Text.
4	May 2022	3. दलित साहित्य : अ. दलित साहित्य: प्रेरणा, स्वरूप, वैशिष्ट्ये ब. दलित साहित्य वाटचाल क. दलित साहित्याची सामाजिक व सांस्कृतिक पार्श्वभूमी	15	0	Lecture, Interactive, ICT, Problem Solving, Screening movie of the Text

1. जेमलेली कलाकृती आदकोळ (किसम घड्याण)

4 Jun 2022

1. दलित आत्मकथन स्वरूप व वाटघाल

15

0

Lecture
Interactive, MCQ
Problem Solving

2. लेखक व्यक्ती व वाग्मय

3. आदकोळआत्मकथनाचे स्वरूप


Teacher


Head

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KNBAC & VPS College, Bhosara.


Principal

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Vidyanagar Bhosara, Dist-Solapur

Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Dr. P.S. Kamble			Class and Sem.	B. A. III Sem. VI
Subject	Marathi (Opt.)	Title and Paper No.	आधुनिक मराठी साहित्यातील विविध प्रवाह (स्त्रीवादी व मुस्लीम)	

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Mar.2022	Syllabus Discussion	2	0	Lecture, Interactive
2	Mar.2022	1.स्त्रीवादी साहित्य अ. स्त्रीवादी साहित्य:संकल्पना व स्वरूप ब. स्त्रीवादीसाहित्याची प्रेरणा क. स्त्रीवादीसाहित्य :भाषा	15	0	Lecture, Interactive, ICT, Problem Solving
3	Apr.2022	1. नेमलेली कलाकृती -प्राजक्ताची फुल आणि दाह (कादंबरी) - ललिता गादगे अ . स्त्रीवादीकथांचे स्वरूप व वाटचाल ब. लेखक:व्यक्ती आणि वाग्मय क.कादंबरी स्वरूप , वैशिष्ट्ये ड. साहित्याची भाषा	15	0	Lecture, Interactive, ICT, Problem Solving Screening movie of the Text
4	May2022	3. मुस्लीम मराठी साहित्य : अ.मुस्लीममराठीसाहित्य:प्रेरणा,स्वरूप, वैशिष्ट्ये ब. मुस्लीममराठीसाहित्य:वाटचाल क.मुस्लीममराठीसाहित्याची सामाजिक व	15	0	Lecture, Interactive, ICT, Problem Solving, Screening movie of the Text

Madha Taluka Shikshan Prasarak Mandal's
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 Department of Economics
Teaching Plan for the Year -2021-22

Name of the Teacher: Mr. Waghmare V. B.	Class: B.A. I, Semester-I
Subject: Economics	Title of the Paper : Indian Economy

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Admission process			
2	June July	Unit – I Introduction: 1.1 Characteristics of Indian Economy since independence 1.2 Indian Population 1.2.1 Broad Features of Indian Population 1.2.2 Problem of over population – causes and measures 1.2.3 Population Policy – 2000	16	-- --	Lectures,
3	July August	Unit – II Poverty and Unemployment 2.1 Poverty: Concept, causes and measures 2.2 Unemployment: Concept, causes and measures	14	-- --	Lectures, Discussion
4	August September	Unit – III Problem of Rising Prices 3.1 Meaning and causes 3.2 Effects 3.3 Measures	14	-- --	Lectures, Seminar
5	September October	Unit – IV Agriculture 4.1 Place of agriculture in Indian Economy. 4.2 Agricultural productivity – causes of low agricultural productivity, measures 4.3 Features of Green Revolution, Need for second Green Revolution	16	-- --	Lectures,

Sub. Teacher


(Waghmare V. B.)



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Madha Taluka Shikshan Prasarak Mandal's
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 Paranda Road, Kurduwadi Tal-Madha, Dist Solapur Pin-413 208 (Maharashtra)
 Department of Economics

Teaching Plan for the Year -2021-22

Name of the Teacher: Mr. Waghmare V. B.	Class: Class B.A.I., Semester- II
Subject: Economics	Title of the Paper: Indian Economy

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	November December	Unit - I Industry : 1.1 Role of industry in Indian Economy 2.2 Small and Medium Enterprises- Role, problems and measures 2.3 Industrial Policy of 1991	14	--	Lectures
2	December January	Unit - II Planning in India: 2.1 Meaning and Broad objectives. 2.2 Introduction to NITI 2.3 Concept of LPG model (Liberalization, Privatization, Globalization) 2.4 Concept of PURA model (Providing Urban amenities to Rural Area)	16	--	Lectures, Seminar
3	January February	Unit - III Economy of Maharashtra: 3.1 Salient features of Economy of Maharashtra 3.2 Agriculture- Cropping pattern, Dry land farming, Horticulture and Floriculture 3.3 Agro-based industries- Role and problems 3.4 Services sector-Present position and it's role	15	-- -- --	Lectures, Seminar
4	February March April	Unit - IV Cooperatives in Maharashtra: 4.1 Role of cooperatives in Economy of Maharashtra 4.2 Sugar cooperatives- Role and problems 4.3 Dairy cooperatives- Role and problems	15	-- --	Lectures, Discussion
5	April May	Paper Assessment Summer Vacation			

Sub. Teacher

 (Mr. Waghmare V.B.)


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Madha Taluka Shikshan Prasarak Mandal's
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 Department of Economics

Teaching Plan for the Year -2021-22

Name of the Teacher: Prof. Waghmare V. B.	Class: B.A. III, Semester- V
Subject: Economics	Title of the Paper : Micro Economics

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Admission process			
2	June July	Unit - I Introduction 1.1 Definition, Nature and scope of Economics 1.2 Micro & Macro Economics: Meaning and Difference 1.3 Choice as Economic problem, Basic Economic Problems 1.4 Basic Assumptions of Economic Analysis	20	-- --	Lectures.
3	July August	Unit II - Consumer's Behaviour 2.1 Concept of Utility: Meaning, Total and Marginal Utility, Cardinal utility analysis - Law of diminishing marginal utility, Law of equi-marginal utility 2.2 Concept of consumer's surplus, Defects of Cardinal utility analysis 2.3 Law of demand, Elasticity of demand - Types, measurement and importance. 2.4 Ordinal utility analysis - Meaning and Properties of Indifference curve, 2.5 Indifference curve and consumer's equilibrium.	20	-- --	Lectures, Discussion
4	August September	Unit III Theory of production and cost 3.1 Law of Supply 3.2 Concept of Production function 3.3 Law of variable proportions and Law of returns to scale 3.4 Economies of scale, Concepts of cost and cost curves (MC/AC/TC), Concepts of Revenue (MR/AR/TR)	20	-- --	Lectures, Seminar

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 Department of Economics
Teaching Plan for the Year -2021-22

Name of the Teacher: Prof. Waghmare V. B.	Class: Class: B.A. III , Semester- VI
Subject: Economics	Title of the Paper : Micro Economics


Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	November December January	Unit – I Market Structure 1.1 Perfect competition - characteristics and price determination 1.2 Monopoly - Characteristics, price determination - concept and types of price discrimination 1.3 Characteristics of monopolistic competition - selling cost and product differentiation 1.4 Concept of monopsony and bi-lateral monopoly	20	--	Lectures
2	January February	Unit – II Factor Pricing 2.1 Marginal productivity theory of distribution, Demand and supply theory of wage determination, Causes of wage differentials 2.2 Rent : Ricardian and Modern theory of Rent 2.3 Interest : Classical and Keynesian theory of interest 2.4 Profit : Risk, Uncertainty and Innovation theory of profit	20	--	Lectures, Seminar
3	February March	Unit – III Welfare Economics 3.1 Welfare Economics: Meaning and Scope 3.2 Problems in measuring Economic welfare 3.3 Classical welfare Economics 3.4 Compensation principle	20	-- -- --	Lectures, Seminar
4	April May	Paper Assessment Summer Vacation			


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Teaching Plan for the Year -2020-21

Name of the Teacher: Mr. Kulkarni D. M. [Class: B.A. II, Semester: III]
 Subject: Economics [Title of the Paper : Demographic Studies]

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Admission process			
2	June July	Unit – I Population Studies: 1.1 Demography - Concept, Definition, Nature and Scope. 1.2 Importance of Demography. 1.3 Inter - relationship between Demography and other Social Sciences. 1.4 Projection of population- Types and Importance	16	-- --	Lectures,
3	July August	Unit – II Sources of Demographic Data in India: 2.1 Census- Mechanism, Merits and Demerits 2.2 Concept of NFHS (National Family Health Survey) 2.3 Civil Registration System - Merits and Demerits. 2.4 Demographic Surveys - Merits and Demerits	16	-- --	Lectures, Discussion
4	August September	Unit – III Theories of Population: 3.1 Malthusian Theory 3.2 Optimum Population Theory 3.3 Theory of Demographic Transition. 3.4 Boserup's Theory of Population	16	-- --	Lectures, Seminar
5	September October	Unit – IV Techniques of Analysis: 4.1 Concepts of Birth Rate and Death Rate 4.2 Types of Birth Rate and Death Rate: Crude Birth and Death Rates, Age Specific Birth and Death Rates, Standardized Birth and Death Rates. 4.3 Study of Fertility: Total Fertility Rate. Gross Reproduction Rate, Net Reproduction Rate. 4.4 Factor Affecting on the Fertility Rate	16	-- --	Lectures,


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Teaching Plan for the Year -2021-22

Name of the Teacher: Mr. Kadam D. M.	Class: Class: B.A. II, Semester- IV
Subject: Economics	Title of the Paper : Demography In India

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	November December	Unit – I Characteristics of Population in India Since 1951: 1.1 Characteristics of Population in India 1.2 Size and Growth of Population 1.3 Causes of Rapid Growth in Population in India 1.4 Concept of Demographic Dividend	16	--	Lectures
2	December January	Unit – II Migration in India: 2.1 Meaning and Nature of Migration 2.2 Types of Migration 2.3 Causes of Migration 2.4 Effects of Migration	16	--	Lectures, Seminar
3	January February	Unit – III Population control measures in India 3.1 Family Welfare 3.2 Education and Population Control 3.3 Women's Autonomy and Population Control 3.4 Socio-economic Measures for Population Control	16	-- -- --	Lectures, Seminar
4	February March April	Unit – IV Population Policy in India: 4.1 Population, Health, Poverty and Environment Linkages in India. 4.2 Evolution of Population Policy in India During Planning Period 4.3 Women Empowerment: Factors Determining Empowerment of Women In India 4.4 National Population Policy (2000)	16	-- --	Lectures, Discussion
5	April May	Paper Assessment Summer Vacation			

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Teaching Plan for the Year -2021-22

Name of the Teacher: Prof. . Waghmare V. B.	Class: B.A. III, Semester- V
Subject: Economics	Title of the Paper : Micro Economics

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Admission process			
2	June July	Unit – I Introduction 1.1 Definition, Nature and scope of Economics 1.2 Micro & Macro Economics: Meaning and Difference 1.3 Choice as Economic problem, Basic Economic Problems 1.4 Basic Assumptions of Economic Analysis	20	-- --	Lectures,
3	July August	Unit II – Consumer's Behaviour 2.1 Concept of Utility: Meaning, Total and Marginal Utility, Cardinal utility analysis – Law of diminishing marginal utility, Law of equi-marginal utility 2.2 Concept of consumer's surplus, Defects of Cardinal utility analysis 2.3 Law of demand, Elasticity of demand - Types, measurement and importance. 2.4 Ordinal utility analysis – Meaning and Properties of Indifference curve, 2.5 Indifference curve and consumer's equilibrium.	20	-- --	Lectures, Discussion
4	August September	Unit III Theory of production and cost 3.1 Law of Supply 3.2 Concept of Production function 3.3 Law of variable proportions and Law of returns to scale 3.4 Economies of scale, Concepts of cost and cost curves (MC/AC/TC), Concepts of Revenue (MR/AR/TR)	20	-- --	Lectures, Seminar

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Teaching Plan for the Year -2021-22

Name of the Teacher: Prof. Waghmare V. B.	Class: Class: B.A. III, Semester- VI
Subject: Economics	Title of the Paper: Micro Economics

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	November December January	Unit - I Market Structure 1.1 Perfect competition - characteristics and price determination 1.2 Monopoly - Characteristics, price determination - concept and types of price discrimination 1.3 Characteristics of monopolistic competition - selling cost and product differentiation 1.4 Concept of monopsony and bi-lateral monopoly	20	--	Lectures
2	January February	Unit - II Factor Pricing 2.1 Marginal productivity theory of distribution, Demand and supply theory of wage determination, Causes of wage differentials 2.2 Rent : Ricardian and Modern theory of Rent 2.3 Interest : Classical and Keynesian theory of interest 2.4 Profit : Risk, Uncertainty and Innovation theory of profit	20	--	Lectures, Seminar
3	February March	Unit - III Welfare Economics 3.1 Welfare Economics: Meaning and Scope 3.2 Problems in measuring Economic welfare 3.3 Classical welfare Economics 3.4 Compensation principle	20	-- -- --	Lectures, Seminar
4	April May	Paper Assessment Summer Vacation			

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Teaching Plan for the Year -2021-22

Name of the Teacher: Dr. Kadam DM [Class: Class B.A. III, Semester-VI]
 Subject: Economics [Title of the Paper: Macro Economics]

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	November December	Unit - I Trade Cycles 1.1 Nature, phases and characteristics of trade cycle 1.2 Hawtrey's monetary theory of trade cycle 1.3 Schumpeter's theory of trade cycle	15	--	Lectures
2	December January	Unit - II Economic Growth 2.1 Meaning and indicators of Economic growth 2.2 Sources of growth 2.3 Growth models: Harrod -Domar model 2.4 Neo - classical growth model of Solow	15	--	Lectures, Seminar
3	January February	Unit - III International Trade 3.1 Internal and international trade 3.2 International trade as an engine of Economic growth 3.3 Concepts and components of balance of trade & balance of payments 3.4 Recardian theory of international trade	15	-- -- --	Lectures, Seminar
4	February March April	Unit - IV Inflation 4.1 Meaning and Causes of inflation 4.2 Effects of inflation 4.3 Inflation and Economic Development 4.4 Phillips Curve	15	-- --	Lectures, Discussion
5	April May	Paper Assessment Summer Vacation			

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Teaching Plan for the Year -2020-21

Name of the Teacher: Dr. Kadam D.M.	Class: B.A. III, Semester- V
Subject: Economics	Title of the Paper : Macro Economics

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Admission process			
2	June July	Unit – I Macro Economics 1.1 Meaning of Macro Economics 1.2 Nature and Scope of Macro Economics 1.3 Importance of Macro Economics 1.4 Limitations of Macro Economics	15	-- --	Lectures,
3	July August	Unit – II National Income 2.1 Meaning and Different concepts of National Income, concept of circular flow of National Income 2.2 Measurement of National Income 2.3 Hurdles in measurement of National Income 2.4 Importance of National Income Data	15	-- --	Lectures, Discussion
4	August September	Unit – III Output and Employment 3.1 Say's law of market 3.2 Keynesian objection to the classical theory 3.3 Outline of Keynesian theory of employment 3.4 Consumption function, Average and Marginal Propensity to Consume, Keynesian Psychological Law of Consumption.	15	-- --	Lectures, Seminar
5	September October	Unit – IV Demand and Supply of Money 4.1 Classical approach to demand for money, Quantity Theory and Cash balance approach 4.2 Keynes' Liquidity Preference Approach 4.3 Components of money supply, factors affecting money supply 4.4 Control of money supply	15	-- --	Lectures,

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Teaching Plan for the Year -2021-22

Name of the Teacher: Mr. Kadam D. M.	Class: B.A. III, Semester- V
Subject: Economics	Title of the Paper : Economics of Development

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Admission process			
2	June July	Unit – I Economic Growth and Development 1.1 Concept of economic growth and development 1.2 Meaning of underdevelopment 1.3 Characteristics of underdeveloped countries 1.4 Obstacles to economic development	15	-- --	Lectures,
3	July August	Unit – II Theories of Economic Development 2.1 Adam Smith and Recardian theory 2.2 Big push theory of development 2.3 W. W. Rostow's stages of economic growth 2.4 Arthur Lewis : Unlimited Supply of Labour	15	-- --	Lectures, Discussion
4	August September	Unit – III Sectoral View of Development 3.1 Role of agriculture in economic development, New technology and Sustainable agriculture 3.2 Impact of Globalization on agricultural growth 3.3 Role of industrialization in economic development 3.4 Role of Service Sector in economic development	15	-- --	Lectures, Seminar
5	September October	Unit – IV Resources for Economic Development 4.1 Capital formation and economic development 4.2 Role of human capital in economic development 4.3 Institutional structure and economic development 4.4 Role of state in economic development	15	-- --	Lectures,

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Teaching Plan for the Year -2021-22

Name of the Teacher: Mr. Kadam D. M.	Class: Class: B.A. III , Semester- VI
Subject: Economics	Title of the Paper : Economics of Development

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	November December	Unit – I Research Methodology 1.1 Meaning and characteristics of research methodology. 1.2 Concept- meaning & Types of Concept 1.3 Hypothesis – meaning, types, tests for useful hypothesis 1.4 Importance of Hypothesis	15	--	Lectures
2	December January	Unit – II Stages of Research 2.1 Selection of topic and Objectives setting 2.2 Research Design –meaning and Types 2.3 Characteristics of good research design 2.4 Significance of research design	15	--	Lectures, Seminar
3	January February	Unit – III Methods of Collecting Information 3.1 Data Collection – Primary and Secondary Data 3.2 Questionnaire and Interview- Meaning and techniques 3.3 Observations and Case Study – meaning and technique 3.4 Sources of Secondary Data	15	-- -- --	Lectures, Seminar
4	February March April	Unit – IV Report Writing 4.1 Objectives of report writing 4.2 Steps in report writing 4.3 Contents of report 4.4 Characteristics of good report writing	15	-- --	Lectures, Discussion
5	April May	Paper Assessment Summer Vacation			

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Teaching Plan for the Year -2021-22

Name of the Teacher: Mr. Waghmare V. B.	Class: B.A. III, Semester- V
Subject: Economics	Title of the Paper : Agricultural Economics

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Admission process			
2	June July	Unit – I Rural Economy of India 1.1 Characteristics of rural economy 1.2 Place of agriculture in rural economy 1.3 Diversification of agriculture, agriculture and allied activities 1.4 Rural industrialization: Role of agro – based industries	15	-- --	Lectures,
3	July August	Unit – II Land Reforms in India 2.1 Problems of Marginal and Small farmers 2.2 Need for land reforms in India 2.3 Review of land reforms programme in India 2.4 Critical evaluation of land reforms programme in India	15	-- --	Lectures, Discussion
4	August September	Unit – III Development of Agriculture 3.1 Agricultural productivity – regional variations, causes of low productivity, remedies 3.2 Linkages between agricultural and non-agricultural sector 3.3 Cropping pattern in India-recent trends, factors affecting cropping pattern 3.4 Irrigation in India- sources and progress	15	-- --	Lectures, Seminar
5	September October	Unit – IV Technological Changes in Agriculture 4.1 Traditional and modern Technology in Agriculture 4.2 Recommendations of National Commission on Farmers (2004) 4.3 Use of Bio-technology 4.4 New agricultural technology and employment	15	-- --	Lectures,

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Teaching Plan for the Year - 2020-21

Name of the Teacher: Mr. Waghmare V. B. [Class: Class B.A. III, Semester: VI]
 Subject: Economics [Title of the Paper: Agricultural Economics]

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	November December	Unit - I Agricultural Finance 1.1 Need for agricultural credit 1.2 Sources of agricultural credit in India - Institutional and Non-institutional sources 1.3 Role of NABARD in agricultural finance 1.4 Problem of rising suicides among farmers	15	--	Lectures
2	December January	Unit - II Agricultural Marketing 2.1 Defects of agricultural marketing and its measures 2.2 Regulated markets 2.3 Co-operative marketing 2.4 Warehousing in India	15	--	Lectures, Seminar
3	January February	Unit - III Agricultural Prices 3.1 Trends in agricultural prices 3.2 Agricultural price policy in India - objectives and its evaluation 3.3 Incentives in agriculture: Price and non-price incentives, input subsidies 3.4 Commission for agricultural costs and prices	15	-- -- --	Lectures, Seminar
4	February March April	Unit - IV New Economic policy (1991) and Indian Agriculture 4.1 Agricultural development during New Economic Policy regime 4.2 Effects of New Economic Policy on Indian agriculture 4.3 W.T.O. and Indian Agriculture 4.4 Future prospects of Indian agriculture	15	-- --	Lectures, Discussion
5	April May	Paper Assessment Summer Vacation			

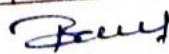
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Teaching Plan for the Year -2020-21

Name of the Teacher: Mr. Waghmare V. B..	Class: Class: B.A. III , Semester- VI
Subject: Economics	Title of the Paper : Agricultural Economics


Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	November December	Unit – I Agricultural Finance 1.1 Need for agricultural credit 1.2 Sources of agricultural credit in India – Institutional and Non-institutional sources 1.3 Role of NABARD in agricultural finance 1.4 Problem of rising suicides among farmers	15	--	Lectures
2	December January	Unit – II Agricultural Marketing 2.1 Defects of agricultural marketing and its measures 2.2 Regulated markets 2.3 Co-operative marketing 2.4 Warehousing in India	15	--	Lectures, Seminar
3	January February	Unit – III Agricultural Prices 3.1 Trends in agricultural prices 3.2 Agricultural price policy in India – objectives and its evaluation 3.3 Incentives in agriculture: Price and non-price incentives, input subsidies 3.4 Commission for agricultural costs and prices	15	-- -- --	Lectures, Seminar
4	February March April	Unit – IV New Economic policy (1991) and Indian Agriculture 4.1 Agricultural development during New Economic Policy regime 4.2 Effects of New Economic Policy on Indian agriculture 4.3 W.T.O. and Indian Agriculture 4.4 Future prospects of Indian agriculture	15	-- --	Lectures, Discussion
5	April May	Paper Assessment Summer Vacation			


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Teaching Plan for the Year -2021-22

Name of the Teacher: Mr. Survase N. A.	Class: B.A. III Semester- V
Subject: Economics	Title of the Paper : History of Economic Thought

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Admission process			
2	June July	Unit – I Classical Period <ul style="list-style-type: none"> • Adam Smith- Naturalism and Optimism, Division Labour , Theory of Value, Views on trade • David Ricardo- Theory of value & Distribution • Thomas R Malthus- Theory of Population, theory of gluts. • J.B.Says Law of Market. 	16	-- --	Lectures,
3	July August	Unit – II Friedrich List & Karl Marx <ul style="list-style-type: none"> • Friedrich list: criticism on classical ideas, theory of economic nationalism • Theory of protectionism • Karl Marx: Concept of scientific socialism, Theory of value. • Surplus value, profit and crisis of capitalism 	14	-- --	Lectures, Discussion
4	August September	<ul style="list-style-type: none"> • Marshall as a great Synthesizer • Marshalls views on utility, production & Distribution. • Marshals theory of value. • Marshals views on marginal utility & Demand. 	14	-- --	Lectures, Seminar
5	September October	Unit – IV Economic Contribution of Nobel Laureates <ul style="list-style-type: none"> • Jan Tinbergen & Ragner Frish- 1969 • Paul A. Samulson-1970 • Simon Kuznets- 1971 • Kenneth J. Arrow & Sir John Hicks- 1972 	16	-- --	Lectures,


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Teaching Plan for the Year -2021-22

Name of the Teacher: Mr. Survasi N. A. [Class: B.A. III Semester- VI
 Subject: Economics | Title of the Paper : History of Economic Thought

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	November December	Unit – I Keynesian Ideas • Keynesian theory of employment • Effective Demand • Role of fiscal policy • Deficit spending and public work	14	--	Lectures
2	December January	Unit – II Joseph Schumpeter • Process of capitalist development • Thought of business cycle • Destruction of capitalism • Innovation theory of profit	16	--	Lectures, Seminar
3	January February	Unit – III Indian Economic Thought • Economic Contribution of Dadabhai Naroji-The theory of Drain & poverty. • Economic ideas of Mahatma Gandhi • Economic ideas of Dr. Babasaheb Ambedkar. • Economic ideas of Amartya sen.	15	-- -- --	Lectures, Seminar
4	February March April	Unit – IV Advance Indian Economic Thought • Dr. Manmohan sing's New Economic Policy • Merits & Demerits of New Economic Policy • Dr. abdul Kalam's PURA Model. • Make in India – Objectives of Make in India	15	-- --	Lectures, Discussion
5	April May	Paper Assessment Summer Vacation			

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Teaching Plan for the Year –2021-22

Name of the Teacher: Mr. Survase N. A.	Class: B.Com. I, Semester-I
Subject: Economics	Title of the Paper : Business Economics

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Admission process			
2	June July	Unit – I Introduction to Business Economics 1) Meaning, Nature and Scope of Business Economics 2) Distinctions between Economics and Business Economics 3) Importance of Business Economics 4) Features and Price Mechanism of Free Market Economy	15	-- --	Lectures,
3	July August	Unit – II Demand and Consumer Behavior 1) Meaning of Demand and Its Law 2) Meaning and Types of Elasticity of demand (Price, Income, Cross and Advertising) 3) Importance of Elasticity of Demand 4) Measurement of Elasticity of Demand	15	-- --	Lectures, Discussion
4	August September	Unit – III The Indifference Curve Approach 1) Concept and Defects of Utility Analysis 2) Meaning and Properties of Indifference Curve 3) Marginal Rate of Substitution and Price Income line 4) Consumer's Equilibrium and Expansion path	15	-- --	Lectures, Seminar
5	September October	Unit – IV Demands Forecasting 1) Concept and Factors of Demand Forecasting 2) Types of Demand Forecasting 3) Methods of Demand Forecasting 4) Importance of Demand Forecasting	15	-- --	Lectures,

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Teaching Plan for the Year –2021-22

Name of the Teacher: Mr. Survase N. A.	Class: B.Com. I Semester- II
Subject: Economics	Title of the Paper : Business Economics

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	November December	Unit – I Production and Cost 1) Meaning and Types of Production Cost 2) The Law of Variable Proportions 3) The Law of Returns to Scale • 4) Economies and Diseconomies of Scale – Internal – External	15	--	Lectures
2	December January	Unit – II Market Structure 1) Perfect Competition – Meaning, characteristics and price determination 2) Monopoly – Characteristics, price determination and Price Discrimination 3) Monopolistic Competition – Characteristics, price determination 4) Meaning and Concepts of Oligopoly, Duopoly, Monopsony	15	--	Lectures, Seminar
3	January February	Unit – III The Theory of Distribution 1) Rent – Meaning, Ricardian Theory of Rent and Modern theory of rent – quasi rent 2) Wages – Meaning and Types of Wages, wage Differentiation, 3) Interest – Meaning –Liquidity preference theory of Interest • 4) Profit – Meaning – Uncertainty theory of profit and Innovation theory of profit	15	-- -- --	Lectures, Seminar
4	February March April	Unit – IV Break – Even Analysis 1) Meaning and Concept of Break – Even Point 2) Determination of Break - Even point 3) Importance of Break - Even Analysis 4) Limitations of Break Even Analysis	15	-- --	Lectures, Discussion
5	April May	Paper Assessment Summer Vacation			<i>Bauy</i>

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Teaching Plan for the Year - 2021-22

Name of the Teacher: Dr. Survase N. A.	Class: B.Com. II, Semester: III
Subject: Economics	Title of the Paper: Money & Financial System

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Admission process			
2	June July	Unit - I Money 1) Meaning, evolution of money 2) Types of money, 3) Functions of money, 4) Constituents of money supply in India / money measures (M1, M2, M3, M4),. Concept of High power money,	15	-- --	Lectures,
3	July August	Unit - II Money and Capital Market in India: 1) Concept and Structure of Money Market-organized sector and unorganized sector, 2) Instruments of the Money Market - treasury bill market, bill market, call money market, certificate of deposit (CD) market, commercial paper (CP) market, 3) Role of Money Market in Economic Development, 4) Features and Structure of Indian Capital market	15	-- --	Lectures, Discussion
4	August September	Unit - III Reserve Bank of India: 1) History and Organizational Structure of Reserve Bank of India. 2) Functions of Reserve Bank of India. 3) Meaning, objectives and instruments of monetary policy. 4) Role of Monetary Policy in Economic Development.	15	-- --	Lectures, Seminar
5	September October	Unit - IV Finance: 1) Role of Finance in an Economy. 2) Kinds of Finance. 3) Components of Indian Financial System-organized sector and unorganized sector.	15	-- --	Lectures,

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Teaching Plan for the Year -2021-22

Name of the Teacher: Dr. Survashe N.A. [Class: B.Com II Semester-IV
 Subject: Economics Title of the Paper: Money & Financial System

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	November December	Unit – I Indian banking system: 1) Meaning and History of Banking in India, 2) Functions of Commercial Banks in India. 3) Types and Features of Banking System in India. 4) Reforms in Banking Sector in India.	15	--	Lectures
2	December January	Unit – II Operating Bank Account: 1) Procedure of Opening, Operation, transferring and closing of an account. 2) No Frills Account. 3) Operating Accounts: Pay in slip, withdrawal slip, passbook, Cheque book. 4) Types of account holders	15	--	Lectures, Seminar
3	January February	Unit – III Credit Creation and Principles of Banking: 1) Concept of Credit Money and Procedure of Credit Creation. 2) Limitations of Credit Creation. 3) Policy Instruments to Control the Credit Creation. 4) Principles of Banking – Principles of Safety, Principles of Liquidity, Principle of Profitability, Diversification of risks.	15	-- -- --	Lectures, Seminar
4	February March April	Unit – IV Technology in Banking: 1) Role of technology in banking. 2) Recent changes of Technology in Banking - E Banking, ATM, Debit Card, Credit Card, Phone banking, Concept of Core Banking. Transaction. EQUIVALENCE:	15	-- --	Lectures, Discussion
5	April May	Paper Assessment Summer Vacation			

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Teaching Plan for the Year -2021-22

Name of the Teacher: Dr. Kadam D. M.		Class: B.Com. III, Semester- V
Subject: Economics	Title of the Paper : Co-Operation Development	

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Admission process			
2	June July	Unit – I Meaning and principles of co-operation 1.1 Meaning and origin of co-operation. 1.2 Features of co-operation. 1.3 Principles of co-operation with recent development. 1.4 Role of co-operation in Economic Development.	15	-- --	Lectures,
3	July August	Unit – II Development of world co-operative movement 2.1 Consumer co-operative movement in England. 2.2 Credit co-operative movement in Germany. 2.3 Dairy co-operatives movement in Denmark. 2.4 Agricultural co-operative movement in Israel	15	-- --	Lectures, Discussion
4	August September	Unit – III Role of National Agencies I development of Indian Co-operative movement 3.1 National Bank of Agricultural and Rural Development (NABARD) 3.2 National Co-operative Development Corporation. (NCDC) 3.3 National Co-operative Union of India (NCUI)	15	-- --	Lectures, Seminar
5	September October	Unit – IV Co-operative Legislations, Education and Training 4.1 Maharashtra Co-operative Act 1960 ; (Provision regarding membership, Registration, General Meeting, Audit & Supervision) 4.2 Co-operative education and training : Importance and problems	15	-- --	Lectures,


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Teaching Plan for the Year -2021-22

Name of the Teacher: Dr. Kadam D. M.	Class: B.Com. III Semester- VI
Subject: Economics	Title of the Paper : Co-Operation Development

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	November December	Unit – I Co-operative Movement in India 1.1 History of co-operative movement in India. 1.2 Role of government in the development of co-operative movement in India. 1.3 Impact of globalization on Indian co-operative movement. 1.4 Evaluation of co-operative Credit movement in India.	15	--	Lectures
2	December January	Unit – II Co-operative Credit Movement in India 2.1 Primary Agricultural Co-operative credit Societies: progress and problems. 2.2 District Central Co-operative Bank: progress and problems 2.3 State Co-operative Bank: progress and problems	15	--	Lectures, Seminar
3	January February	Unit – III Non Agricultural Co-operatives in India 3.1 Consumer's Co-operative : Progress and problems 3.2 Processing Co-operative : Progress and problems 3.3 Marketing Co-operative : Progress and problems	15	-- -- --	Lectures, Seminar
4	February March April	Unit – IV Development of Co-operatives in Maharashtra 4.1 Co-operative movement in Maharashtra. 4.2 Sugar Co-operatives : Progress and problems 4.3 Dairy Co-operatives : Progress and problems 4.4 Urban Co-operative Banks : progress and problems	15	-- --	Lectures, Discussion
5	April May	Paper Assessment Summer Vacation			


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Teaching Plan for the Year -2021-22

Name of the Teacher: Dr. Asmita Raut P		Class: B.A. III Semester- V
Subject: Economics	Title of the Paper : Economics of Development	

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	October-2021.	Module 1: Economic Growth and Development 1.1 Concept of economic growth and development 1.2 Meaning of underdevelopment 1.3 Characteristics of underdeveloped countries 1.4 Obstacles to economic development	15		
2	October-2021, November-2021	Module 2: Theories of Economic Development 2.1 Adam Smith and Recardian theory 2.2 Big push theory of development 2.3 W. W. Rostow's stages of economic growth 2.4 Arthur Lewis : Unlimited Supply of Labour, Amartya Sen's capability approach and • development gap	15	-- --	Lectures,
3	December-2021, January-2022	Module 3: Sectoral View of Development 3.1 Role of agriculture in economic development 3.2 New technology and Sustainable agriculture, Impact of Globalization on agricultural growth 3.3 Role of industrialization in economic development 3.4 Role of Service Sector in economic development	15	-- --	Lectures, Discussion
4	January-2022, February-2022	Module 4: Human Development 4.1 Concept of human development, Components of human development 4.2 Factors affecting human development 4.3 Role of human development 4.4 Measurement of human development - Human development index, Gender related development index, Gender empowerment measure, Human poverty index	15	-- --	Lectures, Seminar

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Teaching Plan for the Year -2021-22

Name of the Teacher: Dr. Asmita Raut

Subject: Economics

Title of the Paper : Economics of Development

Class: B.A. III Semester- VI

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March, April	Module 1: Foreign Capital and Development 1.1 Meaning of foreign capital, role of foreign capital in economic development 1.2 Problems of foreign capital 1.3 Private foreign investment- types & role, Public foreign investment-types 1.4 Foreign aid- tide and untie	15	--	Lectures
2	April	Module 2: Trade and Economic Development 2.1 Role of internal trade in economic development 2.2 Role of international trade in economic development 2.3 Free trade: merits and demerits 2.4 Protective trade: merits and demerits	15	--	Lectures, Seminar
3	April, May	Module 3: Macro-economic policies and Development 3.1 Role of monetary policy in developing countries 3.2 Role of Fiscal policy in developing countries 3.3 Internal and external sources of finance 3.4 Role of MNCs in developing countries.	15	-- -- --	Lectures, Seminar
4	May, June	Module 4: Environment and Sustainable Development 4.1 Defining sustainability for renewable resources, Economic development and environmental degradation 4.2 Agricultural growth and environmental degradation 4.3 Economic activities and climate change 4.4 Measures for environment protection	15	-- --	Lectures, Discussion

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Teaching Plan for the Year -2021-22

Name of the Teacher: Dr. Asmita Raut

Class: B.Com II, Semester: II

Subject: Economics

Title of the Paper: Business Economics

Sr No	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	October-2021.	Unit - I Macro Economics 1.1 Meaning and Concept of Macro Economics 1.2 Nature and scope of Macro Economics 1.3 Significance of Macro Economic 1.4 Limitation of Macro Economics			
2	October-2021, November-2021	Unit - II National Income 2.1 Meaning and concepts - GDP, GNP, NNP, Personal income, disposable income, per capita income, national income at current and constant prices. 2.2 Methods of computing national income: Production, Income & Expenditure Method 2.3 Difficulties in computing National Income 2.4 Importance of National Income data	15	--	Lectures.
3	December-2021, January-2022	Unit - III Value of money 3.1 Concepts of value of money - Fisher's Transaction approach, Keynesian cash balance approach. 3.2 Inflation and Deflation - Causes, effects and control. 3.3 Index Number - Meaning and construction of simple and weighted index number. 3.4 Importance of index number.	15	--	Lectures, Discussion
4	February-2022	Unit - IV Output and Employment 4.1 Say's Law of Market 4.2 Keynesian Employment Theory 4.3 Consumption function - Average and Marginal Propensity to consume 4.4 Factors influencing consumption function.	15	--	Lectures, Seminar


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Teaching Plan for the Year -2021-22

Name of the Teacher: Dr. Asmita Raut	Class: B.Com. II Semester- IV
Subject: Economics	Title of the Paper : Business Economics

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March, April	Unit – I Business Cycle 1.1 Meaning and Concept of Business Cycle 1.2 Phases of Business Cycle 1.3 Hawtreys Theory of business cycle 1.4 Schumpeter Theory of business cycle	15	--	Lectures
2	April	Unit – II Public Finance 2.1 Meaning, nature and scope of Public Finance 2.2 Direct and indirect taxes – Meaning, merits and demerits, GST – Outline and Consequence 2.3 Public expenditure – Causes of growth in public expenditure, effects of public expenditure. 2.4 Public debt – Kinds of public debt, causes and effects of public debt. 2.5 Budget – concept and types of Budget.	15	--	Lectures, Seminar
3	April, May	Unit – III International Trade 3.1 Meaning of internal and international trade. 3.2 Advantages and disadvantages of international trade. 3.3 Terms of Trade – Meaning and types 3.4 Balance of Payments – Disequilibrium – Causes and remedies.	15	-- -- --	Lectures, Seminar
4	May, June	Unit – IV Foreign Exchange 4.1 Meaning and Concepts of Exchange rate 4.2 Merits and Demerits of Exchange Rates- fixed, floating and spot. 4.3 Purchasing Power Parity Theory	15	-- --	Lectures, Discussion



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Teaching Plan for the Year -2021-22

Name of the Teacher: Dr. Asmita Raut

Subject: Economics

Title of the Paper : Business Economics

Class: B.Com. III, Semester- V

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	October-2021,	Unit No: 1- Economic Growth and Development (15) 1.1 Meaning and Concept of Economic Growth and Development 1.2 Difference between Economic Growth and Development 1.3 Measurement of Economic Development 1.4 Factors affecting Economic Development	15		
2	October-2021, November-2021	Unit No: 2- Theories of Economic Growth and Development (15) 2.1 Adam Smith's Theory of Economic Development 2.2 David Ricardo's Theory of Economic Development 2.3 Malthusian Theory of Economic Development 2.4 W.W. Rostow's Theory of Economic Growth	15	-- --	Lectures,
3	December-2021, January-2022	Unit No:3-Human Resource and Economic Development 3.1 Concept of Human Resource Development 3.2 Role of Human Resource in Economic Development 3.3 Human Development Index 3.4 Human Poverty Index, Multidimensional Poverty Index	15	-- --	Lectures, Discussion
4	February-2022	Unit No: 4- Problems of Economic Growth 4.1 Unemployment- Meaning, Types, Causes and Measures 4.2 Poverty- Meaning, Types, Causes and Measures 4.3 Economic Inequality- Meaning, Causes and Measures 4.4 Parallel Economy- Meaning, Causes and Measures	15	-- --	Lectures, Seminar

Asmita Raut

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Teaching Plan for the Year -2021-22

Name of the Teacher: Dr. Asmita Raut

Subject: Economics

Title of the Paper : Business Economics

Class: B.Com. III, Semester- VI

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March, April	Unit No: 1- Indian Planning and Development 1.1 Meaning, Concepts and History of Indian Planning 1.2 Objectives of Indian Planning 1.3 Evaluation of Indian Planning 1.4 NitiAayog: Structure and Objectives	15	--	Lectures
2	April	Unit No: 2- Foreign Capital (15) 2.1 Meaning and Types of Foreign Capital 2.2 Importance of Foreign Capital 2.3 Size and Composition of Foreign Capital in India 2.4 Problems of Foreign Capital	15	--	Lectures, Seminar
3	April, May	Unit No: 3- New Economic Policy (15) 3.1 Balance of Payment Crises in India -Before 1990 3.2 Features of New Economic Policy 3.3 Impact of New Economic Policy on Indian Economy 3.4 Agreements with reference to TRIPS, TRIMS & GATS	15	-- -- --	Lectures, Seminar
4	May, June	Unit No: 4- International Institutions and India's Economic Development 4.1 International Monetary Fund (IMF): It's Objectives & Role; Contribution to India's development 4.2 International Bank for Reconstruction and Development (IBRD): It's Objectives & Role; Contribution to India's development 4.3 World Trade Organisation (WTO): Objectives & Role 4.4 BRICS: Objectives & Role	15	-- --	Lectures, Discussion

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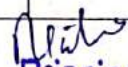
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Teaching Plan for the Year 2021-2022

Name of the Teacher: Dr. Ajinkya Mohan More		Class and Sem.	B.Sc. III Sem. IV
Subject	Physics	Title and Paper No.	Modern Physics (VIII)

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Nov.	Syllabus Discussion other information about Modern physics	2	Group I- 2	Lecture, Interactive
2	Dec.	Theory of relativity: 1.1 Inertial frame of reference 1.2 Galilean transformation 1.3 Invariance of laws of mechanics under Galilean transformation 1.4 Ether hypothesis 1.5 Michelson-Morley experiment 1.6 Einstein's postulates of the special theory of relativity 1.7 Lorentz transformation 1.8 Variation of length with velocity 1.9 Variation of time with velocity 1.10 Velocity addition theorem 1.11 Variation of mass with velocity 1.12 Mass energy relation 1.13 Twin paradox Matter waves: 2.1 De Broglie's hypothesis of matter waves 2.2 De Broglie's wavelength 2.3 Particle velocity, group velocity, phase velocity & their interrelationship 2.4 Properties of matter waves 2.5 Bohr's quantum condition on the basis of matter wave hypothesis 2.6 Heisenberg's uncertainty principle and its illustrations	20	Group I- 3	Lecture, Interactive, ICT, Problem Solving
3	Jan.	Vector Atom model: 3.1 Space quantization 3.2 Spin hypothesis 3.3 Stern-Gerlach experiment 3.4 Quantum numbers associated with vector atom model 3.5 Pauli's exclusion principle 3.6 Spin orbit coupling 3.7 Hund's rule 11 3.8 Total angular momentum 3.9 L-S coupling 3.10 j-j coupling 3.11 Zeeman effect 3.12 Normal and anomalous Zeeman	13	Group III- 2	Lecture, Interactive, ICT, Problem Solving


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		effect 3.13 Debye's explanation of normal Zeeman effect			
4	Feb.	Compton effect: 4.1 Compton Effect 4.2 Expression for change in wavelength for scattered photon 4.3 Experimental verification of Compton effect	5	Repetition of Practices	Lecture, Interactive, ICT, Problem Solving
5	March	Nuclear Energy sources: [4 hr] 5.1 Neutron induced nuclear reaction 5.2 Nuclear fission 5.3 Energy released in fission 5.4 Chain reaction (Atomic Bomb) 5.5 Nuclear reactor 5.6 Atomic energy in India	7	Repetition of Practices	



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4	Feb.	Polarization: 4.1 Concept of Polarization 4.2 Double refraction and 4.3 Huygen's explanation of double refraction through uni-axial crystals 4.4 Nicol's prism, 4.4 optical rotation 4.5 Optical Activity and Specific Rotation 4.6 Laws of rotation and plane of polarization 4.7 Polaroid and their Use to Polarization 4.8 Applications a) Polarimeter b) Liquid crystal Displays (LCDs)	10	Group III- 3	Lecture, Interactive, ICT, Problem Solving
5	March	Optical Fibers: 5.1 Structure of fibers 5.2 Types of optical fiber 5.3 Numerical aperture 5.4 Pulse dispersion in step index fiber 5.5 Fiber optic communication system 5.6 Advantages of optical fiber	04	Group III- 2	Lecture, Interactive, ICT, Problem Solving



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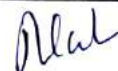
Teaching Plan for the Year 2021-2022

Name of the Teacher: Dr. Ajinkya Mohan More	Class and Sem.	B.Sc. III Sem. VI
Subject Physics	Title and Paper No.	Material Science (XVI)

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Nov.	Syllabus Discussion other informative about physics	2	Group II- 2 (Projects)	Lecture, Interactive
2	Dec.	Materials and their properties: 1.1 Classification of materials 1.2 Organic, inorganic and biological materials 1.3 Properties of materials 1.3.1 Mechanical properties 1.3.2 Thermal properties 1.3.3 Optical properties 1.3.4 Electrical properties 1.3.5 Magnetic properties: .Polymer materials: 2.1 Polymers 2.2 Polymerization mechanism 2.2.1 Additional polymerization 2.2.2 Condensation polymerization 2.2.3 Homo-polymer 2.2.4 Co-polymer 2.3 Degree of polymerization 2.4 Defects in the polymers 2.5 Mechanical properties of polymers, deformation, reinforced polymers 2.6 Applications of polymers	14	Group II- 3 (Projects)	Lecture, Interactive, ICT, Problem Solving
3	Jan.	Ceramic Materials: 3.1 Classification of ceramic materials 3.2 Structure of ceramics 3.3 Ceramic possessing 3.4 Properties of Ceramics 3.5 Applications of Ceramics Composite Materials: 4.1 Fabrication of composites 4.2 Mechanical properties of composites 4.3 Particle-Reinforced Composites 4.4 Fiber-Reinforced composites 4.5 Applications of composites	11	Group IV- 3 (Projects)	Lecture, Interactive, ICT, Problem Solving



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		5. Magnetic materials: 5.1 Magnetic Terminology 5.2 Classification of magnetic materials 5.2.1 Dimagnetic material 5.2.2 Paramagnetic material 5.2.3 Ferromagnetic material 5.2.4 Anti-ferromagnetic material 5.2.5 Ferri-magnetic and ferrites 5.3 Energy loss in the hysteresis Internal test			
5	Oct.	6. Superconductivity: 6.1 Superconductor 6.2 Type I and Type II superconductors 6.3 Critical temperature 6.4 Effect of magnetic field 6.5 Meissner effect 6.6 Josephson effect 6.7 Application of superconductor	08	Group III- 2	Lecture, Interactive, ICT, Problem Solving

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Teaching Plan for the Year 2021-2022

Name of the Teacher: Dr. Ajinkya Mohan More		Class and Sem.	B.Sc. II Sem. IV
Subject	Physics	Title and Paper No.	Optics (VII)

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Nov	Syllabus Discussion and background of optics	2	0	Lecture, Interactive
2	Dec	Cardinal points: 1.1 Lagrange's equation 1.2 Cardinal points of optical system 1.3 Graphical construction of image using cardinal points & Newton's formula 1.4 Relation between focal lengths for any optical system 1.5 Relations between lateral, axial and angular magnifications 1.6 Thick lens (introduction) 1.7 combination of two thin lenses Interference of light: 2.1 Michelson's interferometer 2.2 Applications of Michelson's interferometer to measure i) wavelength of light ii) Difference in wavelengths and iii) Refractive index of thin film 2.3 An Etalon (Introduction Only) 2.4 Construction and working of Fabry Perot interferometer 2.5 Superiority of F.P. interferometer over Michelson's interferometer	15	Group I- 3	Lecture, Interactive, ICT, Problem Solving
3	Jan	Diffraction of light & resolving power: 3.1 Fresnel's half period zones 3.2 Explanation of rectilinear propagation of light 3.3 Zone plate 3.4 Fresnel's diffraction at straight edge 3.5 Geometrical and spectral resolution 3.6 Distinction between magnification and resolution 3.7 Rayleigh's criterion for the limit of resolution and modified Rayleigh's criteria 3.8 Modified Rayleigh's criterion 3.9 R.P. of plane diffraction grating 4.0 R. P. of prism.	14	Group I- 2	Lecture, Interactive, ICT, Problem Solving


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4	Feb.	Biomaterials: 5.1 Bio-Mechanism 5.2 Classification of Biomaterials 5.3 Processing of Biomaterials 5.4 Properties of Biomaterials 5.5 Applications of Biomaterials Nanomaterials: 6.1 Introduction to nano-sized materials and structures 6.2 Brief history of nanomaterials and challenges in nanotechnology 6.3 Significance of nano-size and properties 6.4 Classification of nano structured materials 6.5 Methods of synthesis of nanomaterials 6.5.1 Bottom-up and Top-down approaches	15	Repetition of Practicals Project report writing	Lecture, Interactive, ICT, Problem Solving
5	March	6.5.2 Physical methods: High energy ball milling, Physical vapour deposition, Ionized cluster beam deposition, sputter deposition, Ultrasonic spray pyrolysis etc. 6.5.3 Chemical methods: colloidal method, co-precipitation and sol-gel method 6.5.4 Hybrid method: Electrochemical and chemical vapour deposition.	4	Project Evaluation	Lecture, Interactive, ICT, Problem Solving



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Teaching Plan for the Year 2021-2022

Name of the Teacher: Dr. Ajinkya Mohan More		Class and Sem.	B.Sc. I Sem. I
Subject	Physics	Title and Paper No.	Optics (II)

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Syllabus Discussion and fundamentals of physics	1		Lecture, Interactive
2	July	Geometrical Optics and aberrations Introduction, Fermat's principle, Deduction of laws of reflection and refraction by Fermat's principle, Chromatic and Spherical aberration, methods to minimize Chromatic and Spherical aberrations. Optical Instruments Introduction, Types of eye-pieces, Gauss eye piece, Ramsden's eye-piece, Huygen's eye-piece, Construction, working and Application of Spectrometer and Optical bench.	18	Group I- 3	Lecture, Interactive, ICT, Problem Solving
3	August	Interference 08 Introduction, Interference in parallel faced thin film (Reflected light only), wedge shaped film, Newton's rings and its applications	8	Group I- 2	Lecture, Interactive, ICT, Problem Solving
4	Sept.	Diffraction 08 Introduction, Types of diffraction, Plane diffraction grating and its elementary theory, its application to determine wavelength, Comparison between prism and grating spectra	8	Group III- 3	Lecture, Interactive, ICT, Problem Solving
5	Oct.	Laser 08 Introduction, Spontaneous and Stimulated emission and absorption, Einstein's Coefficients, Population inversion, Optical Pumping, Cavity resonator, He-Ne and Ruby Laser, Properties and application	08	Group III- 2	Lecture, Interactive, ICT, Problem Solving



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Teaching Plan for the Year 2021-2022


Name of the Teacher: Dr. Ajinkya Mohan More		Class and Sem.	B.Sc. III Sem. VI
Subject	Physics	Title and Paper No.	Practicals Group I and II

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Nov.		0	Group I- 2	Lecture, Interactive
2	Dec.	-	0	Group I- 3	Lecture, Interactive, ICT, Problem Solving
3	Jan.	-	0	Group III- 2	Lecture, Interactive, ICT, Problem Solving
4	Feb.	--	0	Repetition of Practices	-
5	March	-	0	Repetition of Practices	-

Note: The above plane may change (online/off-line) due to pandemic/lockdown situations



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Teaching Plan for the Year 2021-22

Name of the Teacher: Mrs. V. S. Shinde		Class and Sem.	B. Sc. II Sem. III
Subject	Chemistry	Title and Paper No.- VI	Inorganic chemistry

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required	Teaching Method
			Theory	
1	June	Admission process	-	-
2	July	Unit 1: 1. Co-ordination Chemistry: 1.1 Definition and formation of co-ordinate covalent bond in $\text{BF}_3: \text{NH}_3$ and in $[\text{NH}_4]^+$. 1.2 Distinction between double salt and complex salt 1.3 Werner's theory: A. Postulates of theory, B. Applications of theory: Theory applied to cobalt amine viz; a) $\text{CoCl}_3 \cdot 6\text{NH}_3$ b) $\text{CoCl}_3 \cdot 5\text{NH}_3$, c) $\text{CoCl}_3 \cdot 4\text{NH}_3$, d) $\text{CoCl}_3 \cdot 3\text{NH}_3$ C. Limitations 1.4 Description of terms –a] ligand, b] co-ordination number, c] co-ordination sphere, d] effective atomic number, e] Geometrical isomerism and optical isomerism in co-ordination compounds for $\text{CN} = 4$ and $\text{CN} = 6$. 1.5 IUPAC nomenclature of co-ordination compounds	12	Lecture, ICT, charts, PPT
3	August	Unit 1: 1. Co-ordination Chemistry 1.6 Valence bond theory of transition metal complexes. A .Introduction B. Postulates of VBT/ basic concepts of VBT C. Role of transition metal in the	12	Lecture, ICT, charts, PPT

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		<p>formation of complex D. Stepwise process of formation of complex : Salient features E. Applications : High spin and low spin complexes w.r.t. CN = 4 and CN = 6. F. Limitations of Valence bond theory.</p> <p>Unit 2: Chelation 2.1 A brief introduction w.r.t. ligand, chelating agent, chelation and metal chelate. 2.2 Structural requirements of chelate formation. 2.3 Difference between metal chelate and metal complex. 2.4 Classification of chelating agents (with specific illustrations of bidentate chelating agent). 2.5 Applications of chelation w.r.t. chelating agents : EDTA and DMG.</p>		
4	Sept.	<p>Unit 3: Acids and Bases 3.1 Lewis Concept: A. Definition, B. classification, C. merits and Demerits. 3.2 Hard and soft acids and bases (HSAB) : A. Classification of acids and bases as hard and soft, B. Pearson's HSAB concept, C. Acid-Base strength and hardness-softness, D. Applications and limitations of HSAB principle</p> <p>Unit. 4 Study of d-block elements 4.1. Introduction 4.2. Position of d-block elements in periodic table</p>	12	Lecture, ICT, charts, PPT
5	Oct.	<p>Unit. 4 Study of d-block elements 4.3. Names & electronic configuration of 1st, 2nd & 3rd three transition series. 4.4. General Characteristics of 3 d-block elements w.r.t. – a) oxidation state b) colour c) Magnetic behavior (spin only formula) d) catalytic</p>	10	Lecture, ICT, charts, PPT

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	properties and e) tendency to form complexes. 4.5. Comparison of 1st transition series with 2nd & 3rd transition series w.r.t. – a) electronic configuration b) reactivity c) stability of oxidation state d) magnetic behavior and e) stability of complexes (Brief account only)		
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Teaching Plan for the Year 2021-22

Name of the Teacher: Mrs. V. S. Shinde		Class and Semester	B. Sc. II Sem. IV
Subject	Chemistry	Title and Paper No.- VIII	Analytical & Industrial Inorganic Chemistry

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required	Teaching Method
			Theory	
1	December	Unit I: 1 Volumetric Analysis: 1.1 Introduction, Terminology:- Titrant; Titrand, standard solution; Titration Indicator; Equivalence point; End point. Primary standard, Secondary standard. Strength of solution, volumetric analysis & their types. 1.2 Acid Base Titration i) Introduction ii) Theory of Acid-Base indicator : A) Colour change Interval B) Theories-Ostwald's theory & Quinoid theory, iii) Neutralization curve and choice of indicator for following titrations : A) Strong acid and Strong Base B) Strong Acid and Weak Base C) Weak Acid and Strong Base 1.3 Complexometric titration: A) General account, B) Types of EDTA Titrations, C) Metallochromic Indicator w.r.t. Eriochrome Black-T Unit Test	10	Lecture, ICT, charts, PPT
2	January	Unit I: 2. Gravimetric Analysis: 2.1. Introduction, Terminology :- Gravimetric analysis, Saturation, Super-saturation, Sol, Gel, Coagulation or Flocculation, Coagulation or Flocculation value, Peptisation, Precipitation, Precipitate, Precipitant, Solubility, Aging or digestion, Ignition, 2.2. General steps involved in	10	Lecture, ICT, charts, PPT

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		<p>gravimetry 2.3. Precipitation – A) Physical nature of Precipitate: Gelatinous, Curdy and Crystalline. B) Conditions of Precipitation 2.4. Process of precipitation – A) Nucleation B) Crystal growth C) Digestion 2.5. Co-precipitation and Post precipitation and their difference. 2.6. Role of Organic precipitants in gravimetric analysis, 2.7. Study of organic precipitants viz. A) DMG, B) Aluminon, C) 8-Hydroxy quinoline. 2.8. Advantages and disadvantages of organic precipitants. Unit Test</p>		
3	January	<p>Unit II: 3. Industrial heavy Chemicals 3.1. Introduction 3.2. Physicochemical Principles & manufacture of following heavy chemicals: i) Ammonia by Haber process ii) Sulphuric acid by contact process Unit Test 4. Metallurgy 4.1. Introduction: Terminology:- Metallurgy, Mineral, Ore, Gangue, Flux, Slag. 4.2. Occurrence of metals: Types of ores 4.3. Steps involved in metallurgical processes: A) Concentration of ore. Physical methods: a) Gravity separation method, b) Magnetic separation method, c) Froth flotation process</p>	12	Lecture, ICT, charts, PPT
4	February	<p>II. Chemical Methods: a) Calcination b) Roasting B) Reduction- i) Chemical methods of reduction ii) Electrolytic reduction method for e.g. Aluminium and copper Unit Test</p>	12	Lecture, ICT, charts, PPT

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		Unit. II. 5. Iron and Steel 5.1 Occurrence of Iron 5.2 Extraction of Iron: Blast furnace 5.3 Types of Iron 5.4 Steel(A) Definition B) Types of Steel C) Manufacture of Steel: a) Bessemer process b) L. D. process D) Heat treatment on Steel		
5	March	Unit test and Internal Exam		


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Teaching Plan for the Year 2021-22

Name of the Teacher: Mrs. V. S. Shinde		Class and Sem.	B. Sc. I Sem. I
Subject	Chemistry	Title and Paper No.- I	Inorganic chemistry

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required	Teaching Method
			Theory	
1	June	Admission process	-	-
2	July	Unit 1: Atomic structure and periodic properties 1.1 Atomic structure a) Shapes of s, p, d orbitals. b) Aufbau and Pauli's exclusion principle, Hund's rule of maximum multiplicity c) General electronic configuration of s and p block elements. 1.2 General Characteristics of s and p block elements w.r.t. Atomic and Ionic radii, Ionization energy, Electron affinity, Electronegativity, Reactivity, Melting and Boiling point	06	Lecture, ICT, Atomic models, charts, PPT
3	August	Unit 2: Chemical bonding and Ionic Solids 2.1 Types of chemical bonding 2.2 Ionic Bonding a) Formation of ionic bond, Energetics of ionic bonding: Ionisation potential, Electron affinity and Lattice energy. b) Characteristics of ionic compounds. c) Born-Haber Cycle for Alkali metal halide (NaCl).	08	Lecture, ICT, Atomic models, charts, PPT

Teaching Plan for the Year 2021-22

Name of the Teacher: Mrs. V. S. Shinde		Class and Semester	B. Sc. I Sem. II
Subject	Chemistry	Title and Paper No.- IV	Analytical chemistry

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required	Teaching Method
			Theory	
1	December	1. Physical properties of liquids 1.1 Introduction, additive and constitutive properties 1.2 Viscosity, coefficient of viscosity, determination of viscosity by Ostwald's Viscometer 1.3 Surface tension:- Determination of surface tension by Drop –Weight method 1.4 Parachor:-Macleod equation and its modification by Sugden, applications of parachor in the determination of molecular structures as benzene and NO ₂ group 1.5 Dipole moment, electrical polarization of molecules 1.6 Use of dipole moment in the study of molecular structure 1.7 Refractive index, Snell's law 1.8 Specific and molecular refractivity, Abbe's refractometer: Principle-critical angle phenomenon-construction, working and advantages 1.9 Molecular refractivity and chemical constitution.	10	Lecture, ICT, Atomic models, charts, PPT

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4	Sept.	Unit. 3 Covalent bonding: VBT Approach 3.1 Valence bond theory: Heitler – London Theory and Pauling -Slater Theory 3.2 Limitations of VBT 3.3 Need of Hybridization 3.4 Types of hybridization and shapes of simple inorganic molecules: BeCl ₂ , BF ₃ , SiCl ₄ , PCI ₅ , SF ₆ , IF ₇ . 3.5 Valence Shell Electron Pair Repulsion (VSEPR) Theory w.r.t. NH ₃ , H ₂ O, CIF ₃	08	Lecture, ICT, Atomic models, charts, PPT
5	Oct.	Unit. 4 Covalent bonding: Molecular Orbital Theory Approach 4.1 Atomic and Molecular orbitals. 4.2 L.C.A.O. Principle 4.3 Bonding, Antibonding and Nonbonding Molecular orbitals. 4.4 Conditions for successful overlap 4.5 Different types of overlap (s-s, s-px, px - px and py- py or pz- pz) 4.6 Energy level sequence of molecular orbitals for n = 1 and n = 2 4.7 M. O. Diagrams for: a) Homonuclear diatomic molecule. H ₂ , Li ₂ , Be ₂ , C ₂ , N ₂ and O ₂ b) Heteronuclear diatomic molecules CO and NO w.r.t. bond order stability and magnetic properties.	08	Lecture, ICT, Atomic models, charts, PPT


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		by Kjeldahl's method iii) Halogen and Sulphur by Carius method. 4.3 Determination of molecular weight of an acid by titration method		
5	March	Unit 5. Petroleum and petrochemicals. 5.1 Constituents and refining of petroleum, cracking, knocking, octane, hydro-forming 5.2 Synthesis and Industrial applications of following petrochemicals: a) Ethylene oxide b) Adipic acid c) Styrene d) 2-Phenyl ethanol e) Paracetamol	04	Lecture, ICT, Atomic models, charts, PPT


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2	January	<p>Unit 2: Environmental Chemistry: Air pollution</p> <p>2.1 Introduction: Meaning of terms: Environment, Pollution, Pollutant, Threshold Limit Value (TLV), Dissolved Oxygen (DO), Chemical Oxygen Demand (COD) and Biological Oxygen Demand (BOD)</p> <p>2.2 Types of Pollution (Only Introduction): Air pollution, Water pollution, Sound pollution, Soil pollution, Automobile pollution and nuclear pollution.</p> <p>2.3 Air Pollution: Classification of Air pollutants, Oxides of carbon, Sulphur and Nitrogen as air pollutants with respect to source and health hazards.</p>	04	Lecture, ICT, Atomic models, charts, PPT
3	January	<p>Unit 3: Environmental Chemistry: Water pollution</p> <p>3.1 Introduction: Resources of water, Types of water Pollutants, water Pollution and its sources (Brief Account)</p> <p>3.2 Treatment of water: A) Potable Water: Parameters of potability of water Step I: Removal of suspended matter : a) Prolonged storage b) Screening c) Sedimentation d) Coagulation e) Filtration Step II: Removal of germs and bacteria- Physical and Chemical method.</p>	06	Lecture, ICT, Atomic models, charts, PPT
4	February	<p>Unit. 4. Qualitative and Quantitative elemental analysis</p> <p>4.1 Qualitative analysis of Carbon, Hydrogen, Nitrogen & Sulphur</p> <p>4.2 Quantitative analysis of - i) Carbon and hydrogen by Combustion method ii) Nitrogen</p>	06	Lecture, ICT, Atomic models, charts, PPT

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Teaching Plan for the Year 2021-22

Name of the Teacher: Mrs. V. S. Shinde		Class and Sem.	B. Sc. I
Subject	Chemistry	Title and Paper No.	Practical Course

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required	Teaching Method
			Practicals	
1	July	Introduction and laboratory safety rules Organic Qualitative Analysis. Identification of organic compounds. Acids : Oxalic acid,/Benzoic acid and Cinnamic acid ii) Phenols : β - Naphthol, /Resorcinol. iii) Bases : Aniline iv) Neutrals : Acetone/ Ethyl acetate/Chloroform/m-dinitrobenzene/Thiourea	16	Demonstration
2	August	1. Organic Preparation: i) Preparation of benzoic acid from benzamide. 2. Estimations : i) Estimation of aniline ii) Estimation of acetamide iii) Determination of viscosity of given liquids A and B.	16	Demonstration
3	Sept.	i). Determination of equivalent weight of Mg by Eudiometer. ii) Study of specific reaction rate of hydrolysis of methyl acetate in presence of HCl. iii) Study of specific reaction rate of hydrolysis of methyl acetate in presence of H ₂ SO ₄	16	Demonstration


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		iv) Determination of heat of ionization of weak acid.		
4	Oct.	Inorganic Chemistry 1) Inorganic Quantitative Analysis: Volumetric Analysis i) To prepare a standard solution of Oxalic acid and determine the strength of Sodium hydroxide solution in terms of normality and Kg/dm ³ ii) To prepare a standard solution of Oxalic acid and determine the strength of Potassium permanganate solution in terms of normality and Kg/dm ³ ii) To prepare standard solution of Potassium dichromate and determine strength of Ferrous Ammonium Sulphate solution in terms of normality and Kg/dm ³ (Use internal indicator)	16	Demonstration
5	Dec	Qualitative Analysis: 1) Spot Tests: Detection of following cations using spot tests : Cu ²⁺ , Co ²⁺ , Ni ²⁺ , Fe ³⁺ , Zn ²⁺ , Mg ²⁺ , Al ³⁺ , Pb ²⁺ .	16	Demonstration
6	Jan	Chromatography: Separation and identification of cations by Paper Chromatographic technique from the following mixtures : a) Ni ²⁺ + Cu ²⁺ b) Ni ²⁺ + Co ²⁺ c) Cu ²⁺ + Co ²⁺	16	Demonstration
7	Feb	Journal certification	-	


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Teaching Plan for the Year 2021-2022

Name of the Teacher: Mr. Shankar P. Phulwale		Class and Sem.	B. Sc. II Sem III
Subject	Chemistry	Title and Paper No.	Organic Chemistry (Paper-V)

Sr. No	Month	Name of the Topic/Subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Admission Process			-
2	July	<p>UV Spectroscopy: Introduction to Spectroscopy, Beer – Lambert law, Types of electronic transitions, Terms used in UV spectroscopy, Effect of conjugation on position of UV and visible bands. Calculation of max by Woodward-Fieser rules for conjugated dienes and enones. Applications of UV</p> <p>2. Stereochemistry Geometrical isomerism: Introduction, Geometrical isomerism in aldoximes and ketoximes, configuration of ketoximes-Beckmann transformation configuration of aldoximes.</p>	12		Whiteboard, Models, Charts, PPT
3	August	<p>2.2. Conformational Isomerism: Introduction, conformation of ethane and n-butane and their representation by using Saw-Horse, Fischer and Newmann's projection formulae. Conformational analysis of ethane and n-butane with the help of energy profile diagrams. Nomenclature – D & L, R & S, E & Z system</p> <p>3. Alcohols and phenols Dihydric alcohols : Nomenclature, Methods of formation of ethylene glycol, physical properties & chemical reactions of ethylene glycol Uses of ethylene glycol. Pinacol formation, Pinacol-Pinacolone rearrangement and its mechanism. Trihydric alcohols: Nomenclature, Methods of formation of glycerol Chemical reactions of glycerol. Uses of glycerol. Phenols: Introduction, Reactions of phenol i. Acylation and Fries rearrangement ii. Ether formation and claisen rearrangement iii. Gattermann Synthesis iv. Carboxylation – Kolbe's</p>	12		Whiteboard, Models, Charts, PPT

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		reaction v. Reimer – Tiemann reaction and its mechanism		
4	Sept.	4. Aldehydes and Ketones Introduction, Nomenclature, structure and reactivity carbonyl group. Study of following reactions with mechanism and applications 5. Ethers and Epoxides Ethers: Introduction, Nomenclature, Methods of formation of anisole by Williamson's synthesis chemical reactions of anisole with HI, Ziesel's method Epoxide: Introduction, Nomenclature, commercial method of preparation of ethylene oxide. Chemical Reactions	10	Whiteboard, Models, Charts, PPT
5	Oct.	6. Carboxylic acids Monocarboxylic acids Hydroxy acids: A. Malic acid and B. Citric acid, Unsaturated acids: A. Acrylic acid, B Cinnamic acid Dicarboxylic acids: Succinic and phthalic acids. Diazonium Salts Introduction, benzene diazonium chloride – Preparation, Chemical Properties	11	Whiteboard, Models, Charts, PPT



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Teaching Plan for the Year 2021-2022


Name of the Teacher: Mr. Shankar P. Phulwale		Class and Sem.	B. Sc. II Sem IV
Subject	Chemistry	Title and Paper No.	Physical Chemistry (Paper-VII)

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Nov.	Electrochemistry: Introduction, conduction of electricity, Types of conductors. Explanation of terms : Variation of specific and equivalent conductance, Equivalent conductance at infinite dilution. Migration of ions, Hittorf's rule, Transport number, Determination of transport number by moving boundary method, factors influencing transport number: Nature of electrolyte, concentration, temperature, complex formation and Degree of hydration.	11		Whiteboard, Models, Charts, PPT
2	Dec.	Kohlrausch law, Applications of Kohlrausch law : i. Determination of relationship between ionic conductance, ionic mobility and transport number. ii. Determination of equivalent conductance at infinite dilution of weak electrolytes. iii. Determination of degree of dissociation of weak electrolyte. iv. Determination of ionic product of water. v. Determination of solubility of sparingly soluble salts. Thermodynamics Introduction, concept of entropy, Entropy as a state function: Definition, mathematical expression, unit, physical significance of entropy. Entropy changes for reversible and irreversible processes in isolated systems. Entropy changes for an ideal gas as a function of V and T and as a function of P and T. Entropy change in mixing of gases. Entropy change in physical transformations	12		Whiteboard, Models, Charts, PPT
3	Jan.	Third law of thermodynamics Absolute entropy and Evaluation of absolute entropy, use of absolute entropies: Determination of entropy changes in chemical reactions. Numerical problems.	12		Whiteboard, Models, Charts, PPT

		<p>3. The Solid State Introduction, space lattice, lattice sites, lattice planes, Unit Cell. Laws of crystallography : i. Law of constancy of interfacial angles. ii. Law of rational indices iii. Law of crystal symmetry. Weiss indices and Miller indices. Cubic lattice and types of cubic lattice, planes or faces of a simple cubic system, spacings of lattice planes. Diffraction of X-rays, Derivation of Bragg's equation. Determination of crystal structure of NaCl and KCl on the basis of Bragg's equation.</p>			
4	Feb.	<p>Numerical problems Distribution Law Introduction Nernst distribution law, its limitations and modification with respect to association and dissociation of solute in one of the solvents Applications of distribution law in i. Process of extraction (derivation expect) ii. Determination of solubility iii. Distribution indicators iv. Determination of molecular weight Numerical problems expected</p>	10		Whiteboard, Models, Charts, PPT


Teacher


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Teaching Plan for the Year 2021-2022

Name of the Teacher: Mr. Shankar P. Phulwale		Class and Sem.	B. Sc. II
Subject	Chemistry	Title and Paper No.	Practical Course Laboratory Course Organic/ Inorganic/ physical Chemistry

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required	Teaching Method
			Practicals	
1	July	Laboratory Course Organic Chemistry A) Organic Qualitative Analysis Acids : succinic acid, phthalic acid, salicylic acid Phenols : α - naphthol, o-nitrophenol, p-nitrophenol <input type="checkbox"/> Bases : o-, m-, and p-nitroanilines N, N-dimethylaniline <input type="checkbox"/> Neutral : urea, acetanilide, carbontetrachloride, bromobenzene, methylacetate, nitrobenzene, naphthalene, acetophenone, ethylmethyl ketone.	32	Demonstration
2	August	B) Organic Quantitative Analysis : i. Estimations 1. Estimation of ester 2. Estimation of acetone ii. Organic Preparations 1. Preparation of phthalimide from phthalic anhydride. 2. Preparation of p-bromoacetanilide from acetanilide Practical Course Inorganic Chemistry 1. Gravimetric Analysis : i. Gravimetric estimation of Fe as Fe ₂ O ₃ from a solution containing ferrous ammonium sulphate and free sulphuric acid. ii. Gravimetric estimation of Ba as BaSO ₄ from a solution containing barium chloride and free hydrochloric acid.	32	Demonstration

		2. Titrimetric Analysis : Calibration of burette, pipette and volumetric flask. i. Analysis of commercial vinegar – To determine the percentage of acetic acid in a given commercial sample of vinegar. ii. To prepare standard solution of calcium chloride from calcium carbonate and determine the total hardness of given water sample.		
3	Sept.	3. Inorganic Preparations : i. Ferrous Ammonium Sulphate (Mohr's salt) ii. Preparation of tetramminecopper(II) sulphate iii. Preparation of Chloropentamminecobalt(III) chloride iv. Preparation of hexamminenickel (II) chloride.	32	Demonstration
4	Oct.	4. Semi-micro Qualitative Analysis : (8 mixtures) Cations : Cu ⁺⁺ , Al ⁺⁺⁺ , Fe ⁺⁺⁺ , Mn ⁺⁺ , Zn ⁺⁺ , Ni ⁺⁺ , Ba ⁺⁺ , Ca ⁺⁺ , Mg ⁺⁺ , NH ₄ ⁺ , K ⁺ Anions : Cl ⁻ , Br ⁻ , I ⁻ , SO ₄ ²⁻ , NO ₃ ⁻ , CO ₃ ²⁻	32	Demonstration
5	Dec	Laboratory Course Physical Chemistry A) Instrumental 1. Viscosity : To determine the percentage composition of a given liquid mixture by viscosity method. 2. Refractometry : To determine the specific and molar refractions of benzene, toluene and xylene by Abbe's refractometer and hence determine the refraction of – CH ₂ group. 3. Polarimetry : To determine the specific rotation and find unknown concentration of sugar solution. 4. Conductometry : i) To determine degree of dissociation and dissociation constant of acetic acid at various dilutions and	32	Demonstration

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		to verify Ostwald's dilution law conductometrically. ii. To determine the normality of the given strong acid by titrating it against strong alkali conductometrically.		
6	Jan	B) Non-Instrumental 1. Chemical Kinetic i. To study the hydrolysis of methyl acetate in presence of HCl and H ₂ SO ₄ and to determine the relative strength of acids. ii. To study the effect of acid strength (0.5M and 0.25M HCl) on hydrolysis of an ester. iii. To study the reaction between K ₂ S ₂ O ₈ and KI (unequal concentration)	16	Demonstration
7	Feb	Journal certification Internal Examination		



Teacher



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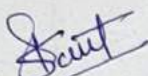
Teaching Plan for the Year 2021-22


Name of the Teacher: Mr. Kalidas S. Raut		Class and Sem.	B. Sc. II Sem. III
Subject	Microbiology	Title and Paper No.	Bacterial Cytology And physiology Paper no.V

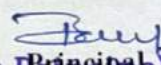
Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Unit-I Ultrastructure and Functions 1.Bacterial Cell Wall-Structure and Functions of Gram positive and Gram-negative cell wall 2.Cell Membrane - Structure and Functions of Cell membrane, Transport of cell membrane. 3.Mesosomes 4.Flagella - Structure and Functions, Mechanism of flagella. 5.Pili-Types, Structure and Functions. 6.Cytoplasmic inclusions 7.Reserve food materials 8.Bacterial Endospore- Structure and Functions And sporulation.	15	01	Lecture, Interactive
2	July	Unit II Bacterial Growth 1.Defination of Growth, Generation time, Growth rate, Synchronous Growth. 2.Growth phases 3.Measurement of Growth of cell.	07	05	Lecture, Interactive, ICT,
3	August	Unit III Effects of environmental factor on bacterial growth. 1.Temperature-Pychrophiles, mesophiles, thermophiles, 2. pH – Basophiles, Acidophiles, Neutrophiles 3.Oxygen- Aerobic, Anaerobic, Facultative and microaerophilic 4.Osmotic pressure 5.Hydrostatic Pressure 6.Hyper tension	10	05	Lecture, Interactive, ICT, Problem Solving
4	Sept	Unit IV Bacterial Metabolism 1.Fates of pyruvate-a. Glycolysis, TCA,	13	05	Lecture, Interactive, ICT, Problem Solving

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		b. Anaerobic Fermentation-Ethanol c. microaerophilic fermentation- Lactic Acid 2.Modes of ATP Generation- a. Substrate level phosphorylation b. Oxidative level phosphorylation- Respiratory electron transport chain, Aerobic, Anerobic respiration c. Photophosphorylation- Photosynthesis, Cyclic and Non Cyclic Photophosphorylation			
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 Teacher


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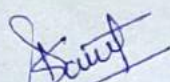
Teaching Plan for the Year 2021-22

Name of the Teacher: Mr. Kalidas S. Raut		Class and Sem.	B. Sc. III Sem. VI
Subject	Microbiology	Title and Paper No.	Microbial Genetics Paper XIII

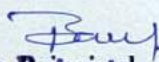
Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theor y	Practical	
1	Nov.	Unit I Basic Concept of microbial genetics a. Structural organization of chromosome of <i>E.coli</i> . b. Replication of DNA-Enzymes and Mechanism c. Transcription of DNA- RNA polymerase, process, Post transcriptional modification d. Lac Operon	11	01	Lecture, Interactive
2	Dec.	Unit II Effect of mutation in Bacteria a. Effect of mutation on translation b. Effect of mutation on Phenotypes c. Time course of phenotypic mutation d. Selection, Detection, Isolation of Mutant e. Genetic complementation- cis-	12	05	Lecture, Interactive, ICT, Problem Solving

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3	Jan.	Unit III Engineering & Protein Engineering a. Introduction – Tools & technique of Genetic engineering b. Application of genetic engineering c. Protein engineering -Concepts & Application	14	05	Lecture, Interactive, ICT, Problem Solving
4	Feb.	Unit IV Techniques in Molecular Biology a. Electrophoresis of DNA b. DNA sequencing c. DNA fingerprinting	12	05	Lecture, Interactive, ICT, Problem Solving
5	March	Unit V Bioinformatics a. Introduction to Bioinformatics b. introduction of NCBI, DDBJ, EMBL c. protein Data Bank (PDB) & Nucleic acid sequence database d. Basic Local Alignment Search Tool (BLAST)	11	05	Lecture, Interactive, ICT, Problem Solving


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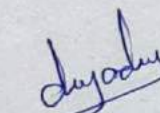

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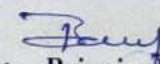
Teaching Plan for the Year 2021-22

Name of the Teacher: Mr. Deepak B. Jadhav		Class and Sem.	B. Sc. II Sem. IV
Subject	Microbiology	Title and Paper No.	Industrial Microbiology

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Nov.	Definition and Scope of industrial Microbiology, industrial important organisms with products (lists) Fermentations: Basic Concept, Types –Surface Culture Submerged Culture. Batch, Continuous culture (Chemostat & Turbidostat), Dual and Multiple fermentation.	06	04	Lecture, Interactive
2	Dec.	Design of typical Fermenter / Bioreactor: Parts and their functions Media for industrial Fermentations 2. Media Components and Optimization 3. Use of Waste as a fermentation Media 4. Inoculum and Production media	16	04	Lecture, Interactive, ICT, Problem Solving
3	Jan.	Screening: Primary and Secondary 2. Strain Improvement 3. Preservation of industrially important microorganisms 4. Inoculum Development 5. Scale up of Fermentation	09	04	Lecture, Interactive, ICT, Problem Solving
4	Feb.	a) Specific Fermentations 1. Penicillin fermentation (<i>P. chrysogenum</i>) 2. Alcohol (<i>S. cerevisiae</i>) 3. SCP (<i>S. cerevisiae</i>) 4. Amylase (<i>A. niger</i>)	07	04	Lecture, Interactive, ICT, Problem Solving
5	March	b) Fermentation Product Recovery 1. Criteria for selection of recovery method 2. Filtration, Centrifugation, Precipitation, Distillation, Crystallization and Drying.	07	04	Lecture, Interactive, ICT, Problem Solving


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Teaching Plan for the Year 2021-22

Name of the Teacher: Mr. Deepak B. Jadhav		Class and Sem.	B. Sc. III Sem. V
Subject	Microbiology	Title and Paper No.	Virology Paper no. IX

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Introduction and Classification of Viruses A. General properties and structure of virus B. Viroids and Prions	07	01	Lecture, Interactive
2	July	C. Viral classification on the basis of LHT system and as per international committee Unit II Reproduction of bacterial viruses (11) A. T ₄ Bacteriophage - Lytic cycle B. Temperate phages and lysogeny of λ phages	15	05	Lecture, Interactive, ICT,
3	August	Reproduction of Animal viruses: Adeno viruses and Influenza viruses Oncogenic Viruses- i) Types of Oncogenic viruses, DNA and RNA viruses, (ii) Types of cancer, Characteristics of cancerous cells, (iii) Hypotheses of Cancer: Somatic mutation, Viral gene and Defective immunity	14	05	Lecture, Interactive, ICT, Problem Solving
4	Sept.	Viral plant Diseases – Tobacco mosaic virus [TMV], Cauliflower Mosaic virus [CaMV] Prevention and Control of Plant Viral Diseases	12	05	Lecture, Interactive, ICT, Problem Solving
5	Oct.	Isolation, Cultivation, Purification and Enumeration of viruses One step growth experiment	12	05	Lecture, Interactive, ICT, Problem Solving

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Teaching Plan for the Year 2021-22

Name of the Teacher: Mr. Deepak B. Jadhav	Class and Sem.	B. Sc. III Sem. VI
Subject Microbiology	Title and Paper No.	Environmental Microbiology Paper XVI

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Nov.	Concept and definition of biosafety, objectives of biosafety, NIH guidelines B] Regulatory framework of biosafety in India] Recombinant DNA, Advisory committee [RDAC] b] Institutional biosafety committee [ISBC] c] State biosafety coordination committee [SBCC] d] District level biosafety committee [DLBC]	06	01	Lecture, Interactive
2	Dec.	Microorganisms in marine water, methods to study aquatic microorganisms. Characteristics of marine environment, types of organisms and their role. B. Fresh water ecosystem : Eutrophication, Types of fresh water bodies a) Classification of lakes b) Sources c) Consequences d) Control	12	05	Lecture, Interactive, ICT, Problem Solving
3	Jan.	General characteristics of extremophiles and their role - Acidophiles, Alkalophiles, Thermophiles, Psychrophiles, Barophiles and Osmophiles	09	05	Lecture, Interactive, ICT, Problem Solving
4	Feb.	Types of wastes, Waste water assessment and management, BOD, COD, B. Industrial waste treatment : Characteristics and treatment of wastes from different industries, – paper and pulp, sugar and distillery, textile, and dairy industries,	09	05	Lecture, Interactive, ICT, Problem Solving
5	March	Introduction, Microorganisms involved, Biochemistry of microbial leaching,	09	05	Lecture, Interactive, ICT, Problem Solving

Deepak B. Jadhav
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Teaching Plan for the Year 2021-22

Name of the Teacher: Mr. Deepak B. Jadhav		Class and Sem.	B. Sc. I Sem. I
Subject	Microbiology	Title and Paper No.	Fundamental Microbiology Paper no. 1

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	UNIT-I: History and Scope of Microbiology 1. Development of microbiology as a discipline, Spontaneous generation vs. biogenesis. 2. Contributions of Antony von Leeuwenhoek, Louis Pasteur, Robert Koch, Joseph Lister, Alexander Fleming, John Tyndall, Role of microorganisms in fermentation, Germ theory of disease,	06	04	Lecture, Interactive
2	July	Introduction to types of microorganisms – Bacteria, viruses, algae, protozoa, fungi 2. Various branches of Microbiology. 3. Beneficial and harmful activities of microorganisms. Diversity of microbial world (08) A) Taxonomy, Morphology & Cytology of Bacteria I) Bacterial Taxonomy:- 1. General principles of Bacterial nomenclature 2. Criteria for bacterial classification – Morphological, Cultural and Biochemical Characters	12	04	Lecture, Interactive, ICT, Problem Solving
3	August	Difference between Prokaryotic & Eukaryotic cell. UNIT III: General characters of different groups of microorganisms – Cellular and acellular. (20) 1. Size, Shape, arrangement of bacteria 2. Structure of typical Bacterial cell	10	04	Lecture, Interactive, ICT, Problem Solving
4	Sept.	Structure and function of Cell Wall, Cell Membrane, Capsule & Slime layer, and Flagella. UNIT – IV: General characteristics of various microorganisms. (07) 1. General characters, structure and economic importance of – Fungi and protozoa.	12	04	Lecture, Interactive, ICT, Problem Solving
5	Oct.	Archaeobacteria, Rickettsia and Actinomycetes, 3. Acellular- Definition, General properties of Viruses, viroids and prions.	05	04	Lecture, Interactive, ICT, Problem Solving

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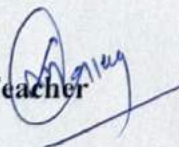
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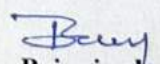
TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher: Prof. Jadhav S. J.		Class and Sem.	B. Sc. I Sem. I
Subject	Microbiology	Title and Paper No.- I	Microbial Techniques

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Syllabus Discussion	1	1	Lecture, Interactive
2	July	Unit 1: Microscopy: Basic concepts Principle and working of compound microscope Types	15	4	Lecture, Interactive, ICT,
3	August	Unit. 2 Stain and staining procedures Definition, classification, principle Special staining methods	15	4	Lecture, Interactive, ICT,
4	Sept.	Unit 3: Sterilization techniques Definition Sterilization by physical and chemical methods	15	4	Lecture, Interactive, ICT,
5	Oct.	Unit. 4: Cultivation techniques of Micro-organisms: Culture Media Methods of Pure culture	15	4	Lecture, Interactive, ICT,

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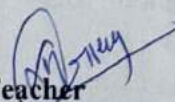
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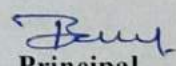
Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Jadhav S. J.		Class and Sem.	B. Sc. II Sem. IV
Subject	Microbiology	Title and Paper No.- II	Immunology and Medical Microbiology

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Nov.	Syllabus Discussion	1	1	Lecture, Interactive
2	Dec.	Unit 1 – Immunity: Concepts Acquired and innate immunity	15	4	Lecture, Interactive, ICT,
3	Jan.	Unit. 2 Antigen Antibody Types and their role	15	4	Lecture, Interactive, ICT,
4	Feb.	Unit 3. Antigen antibody reactions. Measurement and types	15	4	Lecture, Interactive, ICT,
5	March	Unit. 4 Microbial diseases clinical Microbiology	15	4	Lecture, Interactive, ICT,


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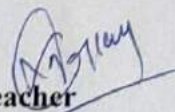

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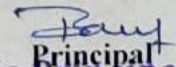
TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher: Prof. Jadhav S. J.		Class and Sem.	B. Sc..III Sem. V
Subject	Microbiology	Title and Paper No.- I	Industrial Microbiology

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Syllabus Discussion	1	1	Lecture, Interactive
2	July	Unit 1: Food Microbiology: Food as a substrate of Microbes Food Spoilage Food preservation Food fermentation-Idli and bread	10	5	Lecture, Interactive, ICT,
3	August	Unit. 2 Dairy Microbiology: Spoilage of Milk Fermented dairy products: Cheese curd and yogurt	7	5	Lecture, Interactive, ICT,
4	Sept.	Unit 3: Industrial production of Streptomycin Lysine R DNA products-Insulin	10	5	Lecture, Interactive, ICT,
5	Oct.	Unit. 4 Industrial production of alcoholic beverages: Beer Wine Spoilage of Wine	8	5	Lecture, Interactive, ICT,
6	Oct	Unit 5:Down stream processing and quality control	10	5	Lecture, Interactive, ICT,


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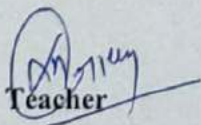

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Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Pantulwar R.G. ^{JAPAVS.J.}		Class and Sem.	B. Sc.III Sem. VI
Subject	Microbiology	Title and Paper No.- II	Clinical Microbiology I

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Nov.	Syllabus Discussion	1	1	Lecture, Interactive
2	Dec.	Unit 1 – Clinical Bacteriology	13	5	Lecture, Interactive, ICT,
3	Jan.	Unit. 2 Clinical Mycology	05	5	Lecture, Interactive, ICT,
4	Feb.	Unit 3. Clinical Parasitology	06	5	Lecture, Interactive, ICT,
5	March	Unit. 4 Clinical Virology	11	5	Lecture, Interactive, ICT,
6	March	Unit 5: Chemotherapy	10	5	Lecture, Interactive, ICT,


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TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher: Dr. Deshmukh N.D.		Class and Sem.	B. Sc. I Sem. II
Subject	Microbiology	Title and Paper No.- III	Microbial Physiology

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Syllabus Discussion	1	1	Lecture, Interactive
2	July	Unit 1: Macromolecules: Structure & functions of a) Carbohydrates b) Proteins c) Lipids d) DNA e) RNA	12	4	Lecture, Interactive, ICT,
3	August	Unit. 2 Microbial Enzymes a) Definition, basic structures- apoenzyme, coenzymes cofactor & prosthetic group b) Types of enzymes- Extra & intracellular, constitutive & Induced enzyme with eg. c) Mechanism of action- active site, lock & key hypothesis, induced fit hypothesis	15	4	Lecture, Interactive, ICT,
4	Sept.	Unit 3: Microbial Metabolism a) Definition- Anabolism, catabolism & high energy compound b) Structure & energy content ATP c) Catabolism of glucose- fate of pyruvate, EMP & TCA cycle	15	4	Lecture, Interactive, ICT,
5	Oct.	Unit. 4: Microbial Nutrition & Growth: a) Nutritional requirements of microorganisms b) Common components-peptone, meat extract, NaCl, agar-agar c) Selective & differential components	15	4	Lecture, Interactive, ICT,


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
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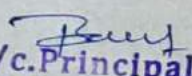
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Teaching Plan for the Year 2021-22

Name of the Teacher: Dr. Deshmukh N.D.		Class and Sem.	B. Sc. II Sem. III
Subject	Microbiology	Title and Paper No.- VI	Bacterial Genetics (VI)

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Nov.	Syllabus Discussion	1	1	Lecture, Interactive
2	Dec.	Unit 1 – Structure of Nucleic Acid & Replication of Bacterial DNA: Experimental Evidences for nucleic acid as genetic material Structure & forms, types of DNA DNA Replication	12	4	Lecture, Interactive, ICT,
3	Jan.	Unit. 2- Gene, Genetic Code, Plasmid Definitions and Concept Genetic Code Plasmid	09	4	Lecture, Interactive, ICT,
4	Feb.	Unit 3. Bacterial Mutation & Repair Mutation And Mutagenesis Types of Mutation Types of Mutation on the basis of molecular mechanism DNA Repair	12	4	Lecture, Interactive, ICT,
5	March	Unit. 4 Bacterial Recombination Definition Fate of Exogenote Types of Recombination	12	4	Lecture, Interactive, ICT,


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
TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher: Dr. Deshmukh N.D.		Class and Sem.	B. Sc..III Sem. V
Subject	Microbiology	Title and Paper No.- XI	Immunology

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Syllabus Discussion	1	1	Lecture, Interactive
2	July	Unit 1: Immune System & Adaptive immunity Immune System Adaptive immunity	16	5	Lecture, Interactive, ICT,
3	August	Unit. 2 Major Histocompatibility Complex: Organization of MHC genes in man, Classes, Structure, Role HLA typing Types of Graft Rejection	12	5	Lecture, Interactive, ICT,
4	Sept.	Unit 3: Complement System Component of Complement, their Components Classical & Alternate Pathway Biological effect of Complement	06	5	Lecture, Interactive, ICT,
5	Oct.	Unit. 4 Immunological Disorder Hypersensitivity Autoimmunity	16	5	Lecture, Interactive, ICT,
6	Oct	Unit 5: Immunohematology ABO Blood Group System Rh system Blood Transfusion & Complication	10	5	Lecture, Interactive, ICT,


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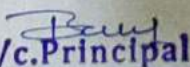

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TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher: Dr. Deshmukh N.D.		Class and Sem.	B. Sc..III Sem. VI
Subject	Microbiology	Title and Paper No.- XVI	Microbial Biochemistry

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Syllabus Discussion	1	1	Lecture, Interactive
2	July	Unit 1: Enzymes , Enzymes Kinetics, Regulation. Enzymes Enzyme Kinetics Regulation of Enzyme Synthesis	16	5	Lecture, Interactive, ICT,
3	August	Unit. 2 Extraction ,Purification, Assay of Enzymes: Cell Disruption, Homogenization of Enzymes Purification of enzymes Immobilization of enzymes Assay of enzymes	10	5	Lecture, Interactive, ICT,
4	Sept.	Unit 3: Assimilation of Carbon, Nitrogen, Sulfur	10	5	Lecture, Interactive, ICT,
5	Oct.	Unit. 4 Bioenergetics Pyruvate is key metabolite in carbohydrate metabolism Metabolic Pathway	14	5	Lecture, Interactive, ICT,
6	Oct	Unit 5: Biosynthesis of Nucleotides Protein Peptidoglycan	10	5	Lecture, Interactive, ICT,


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Name of the Teacher: Ms. Minaj N Mulani		Class and Sem.	B. Sc. III Sem. V
Subject	Microbiology	Title and Paper No.	Agricultural Microbiology Paper no.X

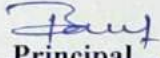
Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Unit-I Introduction to soil microbiology A. Introduction to soil- Definition of soil, Soil formation, types, structure, and properties B. Soil as an ecosystem, rhizosphere, and phyllo sphere C. Soil microorganisms, types and their role in soil fertility, humus. D. Interactions in soil	11	01	Lecture, Interactive
2	July	Unit-II Role of microorganisms in elemental cycle A. Carbon cycle B. Nitrogen cycle C. Sulphur cycle D. Phosphorous cycle	11	05	Lecture, Interactive, ICT,
3	August	Unit III - Composting and Biodegradation A. Compost production with reference to organic waste, types of microorganisms, and factors affecting - aeration, C: N:P ratio, moisture content, temperature, pH, and period of composting. 1. Green manure 2. Farm yard manure 3. Town compost 4. Vermicompost B. Biodegradation of Cellulose, hemicelluloses, Lignin, Pectin, and Pesticides	14	05	Lecture, Interactive, ICT, Problem Solving
4	Sept	Unit IV-Plant pathology A. Common symptoms produced by plant pathogens B. Modes of transmission of Plant diseases: Oily spots on pomegranate -	12	05	Lecture, Interactive, ICT, Problem Solving

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		Xanthomonasoxynopodis, whip smut of sugarcane, soft rot of potato C. Control measures of plant diseases			
5	Oct	Unit V Applications of Biotechnology in Agriculture A. Biofertilizers (Azo and Rhizo and PSB) production and applications. B. Bioinsecticides – Bacillus thuriengensis and Trichodermaviridae, Other examples C. Genetically Modified Crops with examples D. Viral pesticides: Concepts & applications	12	05	Lecture, Interactive, ICT, Problem Solving

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Teaching Plan for the Year 2021-22

Name of the Teacher: Ms. Minaj N Mulani		Class and Sem.	B. Sc. I Sem. II
Subject	Microbiology	Title and Paper No.	Applied Microbiology paper no IV

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Nov.	Unit I WATER MICROBIOLOGY i) Sources of microorganisms in water ii) Fecal pollution of water & its indicator iii) Routine bacteriological analysis of water	12	01	Lecture, Interactive

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		Tests for coliforms – Qualitative (Presumptive, Confirmed & Completed) Differentiation of coliforms – IMViC & Eijkman test Quantitative – MPN iv) Municipal Water purification – Sedimentation, Filtration, Disinfection			
2	Dec.	Unit II SEWAGE MICROBIOLOGY Definition, Different types of sewage, Microbial flora, Definition of B.O.D and C.O.D, Treatment of sewage – primary, secondary and tertiary	12	05	Lecture, Interactive, ICT, Problem Solving
3	Jan.	Unit III - MILK MICROBIOLOGY a) Definition and Composition of Milk b) Sources of contamination c) Microbiological examination of Milk: -DMC, SPC, MBRT test d) Pasteurization –Definition and types of pasteurization, Phosphatase test.	06	05	Lecture, Interactive, ICT, Problem Solving
4	Feb.	UNIT – IV: MEDICAL MICROBIOLOGY A) Definitions: - Infections, etiology, etiological agents, disease, pathogen, incubation period, fomite pathogenicity, virulence, morbidity rate, mortality rate, opportunistic pathogen, epidemiology, prophylaxis, carriers, host B) Types of diseases: - Epidemic, endemic, pandemic & sporadic C) Types of infections: - Primary, Secondary, acute, chronic, reinfection, cross infection, Mixed infection, congenital, local, and generalized D) Mode of transmission of diseases – 1. Inoculation 2. Ingestion 3. Contact 4. Inhalation E) Preventive and control measures	15	05	Lecture, Interactive, ICT, Problem Solving

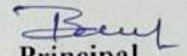
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	for 1. Water and food borne diseases. 2) Air borne diseases. 3) Vector borne diseases 4) Diseases transmitted through physical contact			
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Teaching Plan for the Year -2021-22

Name of the Teacher:- Mr. Shinde V. S.	Class: B.Sc.-I Sem.-I
Subject: -Mathematics	Title of the Paper : P-I-Algebra

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	Admission Process	--	--	---
2	September	Unit 1 (A): Matrices : Symmetric and Skew symmetric, Elementary transformations, Rank of a Matrix (Echelon and Normal form), Characteristic equation of a matrix, Cayley Hamilton theorem and its use in finding the inverse of a matrix.	08	--	Inductive-Deductive Method Synthetic -Analytic Method Problem Solving Method Method ICT
3	October	Unit 1(B): Linear Equations: Application of matrices to a system of linear (both Homogeneous and non-homogeneous) equations, Eigen values and Eigen vectors.	07	--	Inductive-Deductive, Synthetic -Analytic, Problem Solving Method, ICT
4	November	Unit 2(A): Complex Number: Modulus and Argument of a Complex Number, DeMoivre's Theorem and its applications, Roots of Unity, Roots of Complex Numbers.	08	--	Inductive-Deductive Method Synthetic -Analytic Method Problem Solving Method, ICT
5	December	Unit 2(B) : Transcendental Functions : Circular Functions and their inverses and Hyperbolic Function of a complex variable with their inverses.	07	--	Inductive-Deductive Method Problem Solving Method Method ICT
6	January	University Examination	--	--	--
7	February	--	--	--	--
8	March	--	--	--	--
9	April	--	--	--	--
10	May	--	--	--	--
11	June	--	--	--	--
12	July	--	--	--	--

(Signature)

Teacher

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Teaching Plan for the Year -2021-22

Name of the Teacher: - Mr. Shinde V. S.	Class: B.Sc.-II Sem.-IV
Subject: -Mathematics	Title of the Paper: P-VIII-Abstract Algebra

Sr. No	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	February	Unit-1: Introduction to Groups [10] Definition and Example of Groups, Permutations, Subgroups, Groups and Symmetry.	11	--	Inductive-Deductive Method Synthetic -Analytic Method Problem Solving Method ICT
2	March	Unit -2: Equivalence, Congruence, Divisibility [10] Equivalence relation and partitions, Congruence and Division Algorithm, Integer Modulo n, Greatest Common Divisors, The Euclidean Algorithm, Factorization, Euler's Phi Function	11	--	Inductive-Deductive, Synthetic -Analytic, Problem Solving Method, ICT
3	April	Unit-3: Groups [10] Elementary Properties of Groups, Generators, Direct products, Cosets, Lagrange's Theorem, Isomorphism, More on Isomorphism, Cayley's Theorem. Unit-4: Group Homomorphism	12	--	Inductive-Deductive Method Synthetic -Analytic Method Problem Solving Method, ICT
4	May	Unit-4: Group Homomorphism [10] Homomorphism of Groups, Kernels, Quotient Groups, The Fundamental theorem of Homomorphism.	11	--	Inductive-Deductive Method Problem Solving Method ICT
5	June	University Examination	--	--	--


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Teaching Plan for the Year -2021-22

Name of the Teacher: - Mr. Shinde V. S.	Class: B.Sc.-II Sem.-IV
Subject: -Mathematics	Title of the Paper: P-VII-Differential Equation

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	February	Unit 1:- Differential Equations of the first order and of degree higher than the first: Equations that can be resolved into factors of the first degree, Equations solvable for x, Equations solvable for y, Clairaut's equation, Equations reducible to Clairaut's form.	10	--	Inductive-Deductive Method Synthetic -Analytic Method Problem Solving Method Method ICT
2	March	Unit 2: Linear Equations of the second order: General form of the second order linear equation, Complete solution when one integral belonging to complementary function is known, Rules of getting an integral belonging to complementary function, Removal of the First order Derivative.	12	--	Inductive-Deductive, Synthetic -Analytic, Problem Solving Method, ICT
3	April	Transformation of the linear equation of second order by Changing the independent variable. Unit 3: Homogeneous linear equations: Homogeneous linear equations, working rule for finding the solution, Equations reducible to Homogeneous form. [10]	13	--	Inductive-Deductive Method Synthetic -Analytic Method Problem Solving Method, ICT
4	May	Unit 4. Simultaneous Equations Nature of the solution of simultaneous equations, Rules of solving the Equation Unit 5. Total Differential Equations Total Differential Equation, Necessary and sufficient condition for the integrability of total differential equation (proof of Necessity only), Condition for exactness, Criterion for exactness, Method of Solving the Equation.	10	--	Inductive-Deductive Method Problem Solving Method Method ICT
5	June	University Examination	--	--	--

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Teaching Plan for the Year -2021-22

Name of the Teacher: - Mr. Shinde V. S.	Class: B.Sc.-II Sem.-III
Subject: -Mathematics	Title of the Paper: P-VI-Laplace Transform

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	Admission Process	--	--	--
2	September	Unit 1: Laplace Transform. [15] Integral Transform (Definition), Laplace Transform (Definition), Linearity property of Laplace Transform, Piecewise continuous functions, Existence of Laplace Transform, Functions of exponential order functions of Class A, First Translation or Shifting Theorem, Second Translation or Shifting Theorem, Change of Scale Property, Laplace Transform of the derivatives of F(t), Laplace Transform of the n th order derivatives of F(t), Initial value theorem, Final value theorem	12	--	Inductive-Deductive Method Synthetic -Analytic Method Problem Solving Method ICT
3	October	, Laplace Transform of Integrals, Multiplication by t, Multiplication by t ⁿ , Division by t, Evolution of Integrals, periodic functions Unit 2: The Inverse Laplace Transform. [15] Inverse Laplace Transform, Null Function, Linearity Property, Table of Inverse Laplace Transform, First Translation or Shifting Theorem, Second Translation or Shifting Theorem, Change of Scale Property,	11	--	Inductive-Deductive, Synthetic -Analytic, Problem Solving Method, ICT
4	November	Use of Partial function, Inverse Laplace Transform of the derivatives, Inverse Laplace Transform of Integrals, Multiplication by powers of p, Division by powers of p, Convolution (definition), Convolution theorem, Heaviside's expansion formula, Beta function.	11	--	Inductive-Deductive Synthetic -Analytic Problem Solving Method, ICT
5	December	Unit 3: Application of Laplace Transforms. [15] Ordinary Differential equations with constant coefficients, Ordinary Differential equations with variable coefficients, Partial differential equation	11	--	Inductive-Deductive Method Problem Solving Method ICT
6	January	University Examination	--	--	--


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Teaching Plan for the Year -2021-22

Name of the Teacher: - Mr. Shinde V. S.	Class: B.Sc.-II Sem.-III
Subject: -Mathematics	Title of the Paper: P-V-Differential Calculus

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	Admission Process	--	--	---
2	September	Unit-1. Tangents and Normals: Equations of tangents and Normals, Angle of intersection of two curves, Length of tangent, normal, subtangent, subnormal at any point of a curve, Pedal equations or p, r equations (Cartesian form), Angle between radius vector and tangent, Length of the perpendicular from pole to the tangent, Length of polar subtangent and polar sub-normal, Pedal equations (polar form).	13	--	Inductive-Deductive Method Synthetic -Analytic Method Problem Solving Method ICT
3	October	Unit-2. Curvature: Definition of Curvature, Length of arc as a function, Radius of curvature, Cartesian Equation, Parametric Equations, Polar Equations, Pedal Equations.	12	--	Inductive-Deductive, Synthetic -Analytic, Problem Solving Method, ICT
4	November	Unit-3. Jacobians: Definition of a Jacobian, Jacobian of a function of function, Jacobian of implicit function, Condition of dependent functions (statement only).	08	--	Inductive-Deductive Synthetic -Analytic Problem Solving Method, ICT
5	December	Unit- 4. Maxima and Minima: Definition of Maximum value and minimum value of a function of one, two variables, Necessary condition for extreme values(Statements only), sufficient condition for extreme values (Statements only), Use of second order derivatives. Maxima and Minima of a function of two variables, Lagrange's Method of undetermined multipliers of two variables and three variables.	12	--	Inductive-Deductive Method Problem Solving Method ICT
6	January	University Examination	--	--	--


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Teaching Plan for the Year -2021-22

Name of the Teacher: - Mr. Shinde V. S.	Class: B.Sc.-I Sem.-I and II
Subject: -Mathematics	Title of the Paper: Numerical Technique Laboratory - I

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	Admission Process	--	--	---
2	September	Assignment -1: Inverse of Matrix by Cayley-Hamilton Method. Assignment 2: Solution of system of Linear Homogeneous Equation	--	8	Inductive-Deductive Synthetic -Analytic Problem Solving Method, ICT
3	October	Assignment -3: Solution of system of linear non-homogeneous Equation. Assignment -4: n th roots of a complex number.	--	8	Inductive-Deductive, Synthetic -Analytic, Problem Solving Method, ICT
4	November	Assignment -5: Leibnitz Rule Assignment -6: Reduction formulae	--	8	Inductive-Deductive Problem Solving Method, ICT
5	December	Assignment -7: Partial differentiation Assignment -8: Numerical examples on gradient, divergence and curl.	--	8	Inductive-Deductive Problem Solving Method, ICT
6	January	University Examination	--	-	--
7	February	Assignment -9: Change of axis and invariants. Assignment -10: Conversion between Polar and Cartesian of points and equations	--	8	Inductive-Deductive Synthetic -Analytic Problem Solving Method, ICT
8	March	Assignment -11: Family of Planes. Assignment -12: Family of Spheres.	--	8	Inductive-Deductive, Synthetic -Analytic, Problem Solving Method, ICT
9	April	Assignment -13: Linear differential equations. Assignment -14: Particular Integrals of e^{ax}, x^n	--	8	Inductive-Deductive Problem Solving Method, ICT
10	May	Assignment -15: Particular Integrals of $\sin ax, \cos ax,$ Assignment -16: Particular Integrals of $e^{ax}V, xV$	--	8	Inductive-Deductive Problem Solving Method, ICT

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Teaching Plan for the Year -2021-22

Name of the Teacher:- Mr. Shinde V. S.	Class: B.Sc.-I Sem.-II
Subject: -Mathematics	Title of the Paper : P-IV-Differential Equation

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	Admission Process	--	--	---
2	September				
3	October				
4	November				
5	December				
6	January		--	--	--
7	February	Unit 1(A):- Differential Equations of first order and first degree :[Part-I] Variables separable, Homogeneous, non- homogeneous differential Equations.	07	--	Inductive-Deductive Synthetic -Analytic Problem Solving Method, ICT
8	March	Unit 1(B):- Differential Equations of first order and first degree: [Part-II] Exact differential equations. Necessary and sufficient condition for exactness, Integrating Factor with four rules, Linear differential equations of the form: $\frac{dy}{dx} + py = Q$; Bernoulli's Equation $\frac{dy}{dx} + py = Qy^n$	08	--	Inductive-Deductive Method Synthetic -Analytic Method Problem Solving Method, ICT
9	April	Unit 2(A) :- Linear Differential Equations With Constant Coefficients :[Part-I] Complementary function and particular integral, General solution of $f(D)y=X$, Solution of $f(D)y=0$ for non-repeated, repeated, real and complex root.	07	--	Inductive-Deductive Method Synthetic -Analytic Method Problem Solving Method, ICT
10	May	Unit 2(B) :- Linear Differential Equations With Constant Coefficients : [Part-II] Solution of $f(D)y=X$, where X is of the form $e^{ax}, x^n, \sin ax, \cos ax, e^{ax}V, xV$	08	--	Inductive-Deductive Method Problem Solving Method ICT
11	June	--	--	--	--
12	July	University Examination	--	--	--

(Signature)
 Teacher
 P. N. Shinde V. S.)

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(Signature)
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Teaching Plan for the Year -2021-22

Name of the Teacher:- Mr. Shinde V. S.	Class: B.Sc.-I Sem.-II
Subject: -Mathematics	Title of the Paper : P-III-Geometry

Sr. No	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	Admission Process	--	--	---
2	September	--	--	--	--
3	October	--	--	--	--
4	November	--	--	--	--
5	December	--	--	--	--
6	January	--	--	--	--
7	February	Unit 1(A):-Change of Axis: Translations, Rotations, Invariants, and Identifications of conics from General form of second degree equations, Polar Coordinates, Conversion formulae.	07	--	Inductive-Deductive Method Synthetic -Analytic Method Problem Solving Method, ICT
8	March	Unit 1(B): Sphere: Centre radius form, General form, Diameter form, Equation of Tangent Plane and condition for tangency, Family of spheres $S + \lambda S' = 0, S + \lambda P = 0$	08	--	Inductive-Deductive Method Synthetic -Analytic Method Problem Solving Method, ICT
9	April	Unit 2:-Plane: General equation of plane, Normal equation, Intercept form Angle between two planes, Plane through three points,	07	--	Inductive-Deductive Method Synthetic -Analytic Method Problem Solving Method, ICT
10	May	Plane through a given point, Sides of a Plane, Distance of a point from a plane, Family of planes.	08	--	Inductive-Deductive Method Problem Solving Method, ICT
11	June	--	--	--	--
12	July	University Examination	--	--	--

Teacher
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Teaching Plan for the Year -2021-22

Name of the Teacher:- Mr. Shinde V. S.	Class: B.Sc.-I Sem.-I
Subject: -Mathematics	Title of the Paper : P-II-Calculus

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	Admission Process	--	--	---
2	September	Unit. 1 (A) : Differentiation: Indeterminate forms and L' Hospital's Rule, Successive differentiation , derivatives of standard functions, Leibnitz rule. Taylor's theorem and Maclaurin's Theorem (Only Statements). Series expansions of, $\cos x$, $\sin x$, $(1 +)$, $\log(1+x)$	08	--	Inductive-Deductive Method Synthetic -Analytic Method Problem Solving Method ICT
3	October	Unit. 1 (B) : Function of two variables: Limit and Continuity of function of two variables , Partial derivative, partial derivative of higher orders, Homogeneous functions, Euler's Theorem on Homogeneous functions.	07	--	Inductive-Deductive Method Synthetic -Analytic Method Problem Solving Method, ICT
4	November	Unit. 2 (A) : Reduction Formulae: $\int_0^{\pi/2} \sin^n x dx$, $\int_0^{\pi/2} \cos^n x dx$ $\int_0^{\pi/2} \sin^m x \cos^n x dx$	07	--	Inductive-Deductive Synthetic -Analytic Problem Solving Method, ICT
5	December	Unit. 2 (B) : Vector Calculus: Scalar point function , Vector point function , Directional derivatives , divergence and Curl and its properties.	08	--	Inductive-Deductive Method Problem Solving Method ICT
6	January	University Examination	--	--	--
7	February	--	--	--	--
8	March	--	--	--	--
9	April	--	--	--	--
10	May	--	--	--	--
11	June	--	--	--	--
12	July	--	--	--	--

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Teaching Plan for the Year -2021-22

Name of the Teacher:- Mr. Shinde V. S.	Class: B.Sc.-I Sem.-I
Subject: -Mathematics	Title of the Paper : P-I-Algebra

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	Admission Process	--	--	---
2	September	Unit 1 (A): Matrices : Symmetric and Skew symmetric, Elementary transformations, Rank of a Matrix (Echelon and Normal form), Characteristic equation of a matrix, Cayley Hamilton theorem and its use in finding the inverse of a matrix.	08	--	Inductive-Deductive Method Synthetic -Analytic Method Problem Solving Method Method ICT
3	October	Unit 1(B): Linear Equations: Application of matrices to a system of linear (both Homogeneous and non-homogeneous) equations, Eigen values and Eigen vectors.	07	--	Inductive-Deductive, Synthetic -Analytic, Problem Solving Method, ICT
4	November	Unit 2(A): Complex Number: Modulus and Argument of a Complex Number, DeMoivre's Theorem and its applications, Roots of Unity, Roots of Complex Numbers.	08	--	Inductive-Deductive Method Synthetic -Analytic Method Problem Solving Method, ICT
5	December	Unit 2(B) : Transcendental Functions : Circular Functions and their inverses and Hyperbolic Function of a complex variable with their inverses.	07	--	Inductive-Deductive Method Problem Solving Method Method ICT
6	January	University Examination	--	--	--
7	February	--	--	--	--
8	March	--	--	--	--
9	April	--	--	--	--
10	May	--	--	--	--
11	June	--	--	--	--
12	July	--	--	--	--

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(Prof. shinde V. S.)

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TEACHING PLAN FOR THE YEAR 2021-2022

Name of the Teacher: Dr.S.S.Kshirsagar		Class and Sem.	B. Sc. I Sem. I
Subject	Zoology	Title and Paper No.- I	Animal Diversity P I

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Syllabus Discussion, Protista	03	01	Lecture, Interactive, Slide observations
2	July	Porifera Cnidaria Platyhelminthes Nemathelminthes Classification, Characters, life cycle	08	04	Lecture, Interactive, ICT, Specimen study, slide observations
3	August	Annelida Arthropoda Classification, Characters, economic importance	06	02	Lecture, Interactive, ICT, Specimen study, slide observations
4	Sept.	Mollusca Classification, Characters, economic importance	03	01	Lecture, Interactive, ICT, Specimen study, slide observations
5	Oct.	Echinodermata Water Vascular System	04	01	Lecture, Interactive, ICT, Specimen study, slide observations


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TEACHING PLAN FOR THE YEAR 2021-2022

Name of the Teacher: Dr.S.S.Kshirsagar		Class and Sem.	B. Sc. I Sem. I
Subject	Zoology	Title and Paper No.- II	Animal Diversity P II

Sr. No	Month	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
				Theory	Practical	
1	June	Nov	Syllabus Discussion, Protochordata	03	01	Lecture, Interactive, ICT, Specimen study, slide observatic
2	July	Dec	Agnatha, Pisces Classification, Characters, life cycle , economic importance	08	04	Lecture, Interactive, ICT, Specimen study, slide observatic
3	August	Jan	Amphibian , parental care	06	02	Lecture, Interactive, ICT, Specimen study, slide observatic
4	Sept.	Feb	Reptiles Aves Classification, Characters, snake bite management	03	01	Lecture, Interactive, ICT, Specimen study, slide observatic
5	Oct.	March	Mammals Classification, Characters Adaptive radiations	04	01	Lecture, Interactive, ICT, Specimen study, slide observatic


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TEACHING PLAN FOR THE YEAR 2021-2022

Name of the Teacher: Dr.S.S.Kshirsagar		Class and Sem.	B. Sc. I Sem. II
Subject	Zoology	Title and Paper No.- IV	Developmental Biology of vertebrates

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Nov	Syllabus discussion, Gametogenesis	02	01	Lecture, Interactive, ICT, Specimen study, slide observations
2	Dec	Fertilization Embryonic Development up to gastrulations	06	02	Lecture, Interactive, ICT, Specimen study, slide observations
3	Jan	Placenta in mammals Apoptosis, cell differentiations, cell movements	06	02	Lecture, Interactive, ICT, Specimen study, slide observations
4	Feb	Frog metamorphosis Types of twins in human	06	02	Lecture, Interactive, ICT, Specimen study, slide observations
5	March	Applications of ultrasounds Causes of misscarriages	03	01	Lecture, Interactive, ICT, Specimen study, slide observations

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TEACHING PLAN FOR THE YEAR 2021-2022

Name of the Teacher: Dr.S.S.Kshirsagar		Class and Sem.	B. Sc. I Sem. II
Subject	Zoology	Title and Paper No.- III	Comparative Anatomy of Vertebrates

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Nov	Syllabus discussion, Integumentary system, glands, digital tips	02	01	Lecture, Interactive, ICT, Specimen study, slide observations
2	Dec	Skeletal System Appendicular skeleton	06	02	Lecture, Interactive, ICT, Specimen study, slide observations
3	Jan	Digestive system, digestive glands	06	02	Lecture, Interactive, ICT, Specimen study, slide observations
4	Feb	Respiratory system, gills, lungs, air sacs Circulatory System	06	02	Lecture, Interactive, ICT, Specimen study, slide observations
5	March	Urinogenital system Nervous system	06	02	Lecture, Interactive, ICT, Specimen study, slide observations


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TEACHING PLAN FOR THE YEAR 2021-2022

Name of the Teacher: Dr.S.S.Kshirsagar		Class and Sem.	B. Sc. II Sem. III
Subject	Zoology	Title and Paper No.- V	Cell Biology

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Prokaryotic and Eukaryotic cells	03	01	Lecture, Interactive, Slide observations
2	July	Plasma membrane Endomembrane system	06	02	Lecture, Interactive, ICT, Specimen study, slide observations
3	August	Mitochondria Cytoskeleton	06	02	Lecture, Interactive, ICT, Specimen study, slide observations
4	Sept.	Nucleus Cell division	03	01	Lecture, Interactive, ICT, Specimen study, slide observations
5	Oct.	Cell signaling	04	01	Lecture, Interactive, ICT, Specimen study, slide observations, Slide preparations


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TEACHING PLAN FOR THE YEAR 2021-2022

Name of the Teacher: Dr.S.S.Kshirsagar		Class and Sem.	B. Sc. II Sem. III
Subject	Zoology	Title and Paper No.- VI	Principles of ecology

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	June	Syllabus discussion, Introduction to ecology	03	01	Lecture, Interactive, ICT, Specimen study, slide observations
2	July	Animal Associations Abiotic factors	08	04	Lecture, Interactive, ICT, Specimen study, slide observations
3	August	Community characteristics	06	02	Lecture, Interactive, ICT, Specimen study, slide observations
4	Sept.	Ecosystems Terrestrial Aquatic	04	02	Lecture, Interactive, ICT, Specimen study, slide observations
5	Oct.	Applied ecology	01	01	Lecture, Interactive, ICT, Specimen study, slide observations


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TEACHING PLAN FOR THE YEAR 2021-2022

Name of the Teacher: Dr.S.S.Kshirsagar		Class and Sem.	B. Sc. II Sem. IV
Subject	Zoology	Title and Paper No.- VII	Fundamentals of Biochemistry

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Nov	Syllabus discussion, Carbohydrates	03	03	Lecture, Interactive, ICT, Estimations, biochemical tests
2	Dec	Lipids Amino acids	06	02	Lecture, Interactive, ICT, Estimations, biochemical tests
3	Jan	Proteins Immunoglobulins	06	02	Lecture, Interactive, ICT, Estimations, biochemical tests
4	Feb	Nucleic Acids Central Dogma	06	02	Lecture, Interactive, ICT, Estimations, biochemical tests
5	March	Enzymes	03	02	Lecture, Interactive, ICT, Estimations, biochemical tests


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TEACHING PLAN FOR THE YEAR 2021-2022

Name of the Teacher: Dr.S.S.Kshirsagar		Class and Sem.	B. Sc. II Sem. IV
Subject	Zoology	Title and Paper No.- IV	Animal Physiology : Controlling and Regulations

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Nov	Syllabus discussion, Tissue	03	01	Lecture, Interactive, ICT, slide observations
2	Dec	Histology Nervous system	08	02	Lecture, Interactive, ICT, slide observations
3	Jan	Muscles Reproductive Physiology	06	02	Lecture, Interactive, ICT, slide observations
4	Feb	Reproductive cycle	06	02	Lecture, Interactive, ICT, slide observations
5	March	In vitro fertilization Endocrine system	03	01	Lecture, Interactive, ICT, slide observations

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Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Goyal A. M.		Class and Sem.	B. Sc I Sem. II
Subject	Botany	Title and Paper No.- II	Taxonomy of Angiosperms

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	March	Syllabus Discussion Unit 1 – Introduction a) Aims b) Principles	06	16	Lecture, Interactive
2	April	Unit. 2 : Classification a) Types b) Bentham and Hooker c) Merits d) Demerits	06	16	Lecture, Interactive, ICT,
3	April	Unit 3 : Identification and Nomenclature a) Identification b) Binomial Nomenclature c) Principles of ICBN	06	16	Lecture, Interactive, ICT,
4	April	Unit. 4 : Herbarium and Botanical Garden a) Herbarium b) Botanical Gardens of India	06	16	Lecture, Interactive, ICT,
5	May	Unit. 5 : Study of Families a) Caesalpineaceae b) Solanaceae c) Nyctaginaceae d) Liliaceae	06	16	Lecture, Interactive, ICT,


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TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher: Prof. Goyal A. M.		Class and Sem.	B. Sc. I Sem. I
Subject	Botany	Title and Paper No.- I	Microbiology and Phycology

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Dec.	Syllabus Discussion	1	0	Lecture, Interactive
2	Jan.	Unit 1: Unit 1: Introduction of Microbiology	01	16	Lecture, Interactive, ICT,
3	Jan.	Unit. 2 : Microbes a) Viruses b) Bacteria c) Mycolplasma	06	16	Lecture, Interactive, ICT,
4	Feb.	Unit. 3 : Phycology a) Introduction b) General characters c) Classification d) Economic importance	06	16	Lecture, Interactive, ICT,
5	Feb.	Unit. 4 : Cyanophyta a) General characters b) Life cycle of Nostoc Chlorophyta c) General characters d) Life cycle of Spirogyra	06	16	Lecture, Interactive, ICT,

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TEACHING PLAN FOR THE YEAR 2021-22

Name of the Teacher: Prof. Goyal A. M.		Class and Sem.	B. Sc. II Sem. III
Subject	Botany	Title and Paper No.- I	Plant Metabolism

Sr. No	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	Dec.	Syllabus Discussion Unit 1: Enzymes a) Introduction b) Classification c) Mechanism d) Properties	1	0	Lecture, Interactive
2	Jan.	Unit. 2 : Nitrogen metabolism a) Introduction b) Cycle c) Mechanism d) Significance	8	16	Lecture, Interactive, ICT,
3	Jan.	Unit. 3 : Plant growth regulators a) Introduction b) Discovery c) Types d) PGR e) Inhibitors	06	16	Lecture, Interactive, ICT,
4	Feb.	Unit. 4: Mineral nutrition a) Introduction b) Macronutrients c) Role of Macronutrients	06	16	Lecture, Interactive, ICT,
5	Feb.	Unit. 5: Carbohydrate metabolism a) Introduction b) Classification	06	16	Lecture, Interactive, ICT,

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Teaching Plan for the Year 2021-22

Name of the Teacher: Prof. Goyal A. M.		Class and Sem.	B. Sc II Sem. IV
Subject	History	Title and Paper No.- VII	Plant Physiology

Sr. No.	Month	Name of the topic/subtopic	Total Hours Required		Teaching Method
			Theory	Practical	
1	April	Syllabus Discussion Unit 1 – Plant response to light and temperature a) Photoperiodism b) Phytochrome c) Vernalization	06	08	Lecture, Interactive
2	April	Unit. 2 : Translocation in phloem a) Defination b) Loading and unloading c) Mechanism d) Source and sink relationship	08	08	Lecture, Interactive, ICT,
3	May	Unit 3 : Photosynthesis a) Introduction b) Photosynthetic apparatus c) Photosynthetic pigments d) Light and dark reactions	08	08	Lecture, Interactive, ICT,
4	May	Unit. 4 : Respiration a) Introduction b) Structure of Mitochondria c) Aerobic d) Glycolysis e) TCA Cycle f) ETS	06	08	Lecture, Interactive, ICT,
5	June	Unit. 5 : Photorespiration a) Introduction b) Site of Photorespiration c) Mechanism d) Significance	06	08	Lecture, Interactive, ICT,

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Teaching Plan for the Year – 2021-22

Name of the Teacher: Mr. Prashant Kamalakar Narkhade	Class: B.Com - III
Subject: Advanced Accountancy	Title of the Paper : Advanced Accountancy Paper - I

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	a) Admission Process b) Accounting And Statutory Requirements Of Banking Companies	-- 08	-- --	Online Lectures, Problem Solving
2	September	a) Accounting And Statutory Requirements Of Banking Companies b) Accounts of Holding Company	12 04	-- --	Online Lectures, Problem Solving
3	October	a) Accounts of Holding Company b) Insurance Claim For Loss Of Stock And For Loss Of Profit	14 02	-- --	Online Lectures, Problem Solving
4	November	a) Diwali Vacation b) Insurance Claim For Loss Of Stock And For Loss Of Profit	-- 16	-- --	Online Lectures, Problem Solving
5	December	a) Introduction To Management b) University Examination	04 --	-- --	Online & Offline Lectures, Problem Solving
6	January	b) University Examination	--	--	--
7	February	a) Company Merger And Reconstruction (External)	16	--	Class Room Lectures, Problem Solving
8	March	a) Company Merger And Reconstruction (External) b) Accounting Ratios for FSA	06 10	--	Class Room Lectures, Problem Solving
9	April	a) Accounting Ratios for FSA b) Hire Purchase And Installment System	06 10	-- --	Lectures, Problem Solving Class Room Lectures, Problem Solving
10	May	a) Hire Purchase And Installment System b) Introduction To Cost Accounting c) University Examination	06 06	-- --	Class Room Lectures, Problem Solving
11	June	a) University Examination			
12	July	a) Summer Vacation b) Paper Assessment	-- --	-- --	-- --

Teacher

Head

Prashant Kamalakar Narkhade
 Principal
 K. N. Bhise Arts, Comm. & Vinayakrao
 Patil Science College,
 Vidyanagar Bhosare, Dist. Solapur



Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.
 NAAC Re-accredited 'B' Grade
 Paranda Road, Kurduwadi. Tal-Madha, Dist-Solapur. Pin-413 208 (Maharashtra)

Teaching Plan for the Year – 2021-22

Name of the Teacher: Mr. Prashant Kamalakar Narkhade	Class: B.Com - III
Subject: Advanced Accountancy	Title of the Paper : Advanced Accountancy Paper - II

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	a) Admission Process	--	--	Online Lectures, Problem Solving
		b) Introduction to Auditing	08		
2	September	a) Introduction to Auditing	07	--	Online Lectures, Problem Solving
		b) Audit of Limited Companies	09		
3	October	a) Audit of Limited Companies	06	--	Online Lectures, Problem Solving
		b) Recent Trends in Auditing	10		
4	November	a) Recent Trends in Auditing	05	--	Online Lectures, Problem Solving
		b) Diwali Vacation	--		
		c) Audit of Cooperative societies, societies, Bank & Charitable Trusts & Institutions	11		
5	December	a) Audit of Cooperative societies, societies, Bank & Charitable Trusts & Institutions	04	--	Online Lectures, Problem Solving
		b) University Examination	--		
6	January	a) University Examination	--	--	--
7	February	a) Introduction and Introduction and basic concepts basic concepts	10	--	Class Room Lectures, Problem Solving
		b) Income from salary And house property	06		
8	March	a) Income from salary And house property	14	--	Class Room Lectures, Problem Solving
		b) Income from business /profession and other sources	02		
9	April	a) Income from business /profession and other sources	16	--	Lectures, Problem Solving Class Room Lectures, Problem Solving
10	May	a) Total Income and Goods and Services Tax	12	--	Class Room Lectures, Problem Solving
		b) University Examination	--		
11	June	a) University Examination	--	--	
12	July	a) Summer Vacation	--	--	--
		b) Paper Assessment	--	--	--

Teacher

Head


I/c Principal
Principal
 K. N. Bhise Arts, Com. & Vinayakrao
 Patil Science College,
 Vidyanagar Bhosare, Dist. Solapur

Madha Taluka Shikshan Prasarak Mandal's
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 Paranda Road, Kurduwadi. Tal-Madha, Dist-Solapur. Pin-413 208 (Maharashtra)

Teaching Plan for the Year – 2021-22

Name of the Teacher: Adv. Mrs. Nitanjali Nagnath Rajmane	Class: B.Com - III
Subject: Business Regulatory Framework	Title of the Paper : Business Regulatory Framework

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	a) Admission Process b) Introduction of Business Regulatory Framework	-- 08	--	Online Lectures, Problem Solving
2	September	a) Introduction of Business Regulatory Framework b) The Indian Contract Act 1872	02 14	--	Online Lectures, Problem Solving
3	October	a) The Indian Contract Act 1872	16	--	Online Lectures, Problem Solving
4	November	a) Diwali Vacation b) The Sale of Goods Act 1930 c) The Right to Information Act 2005	-- 10 06	--	Online Lectures, Problem Solving
5	December	a) The Right to Information Act 2005 b) University Examination	04 --	--	Online Lectures, Problem Solving
6	January	a) University Examination	--	--	--
7	February	a) The Consumer Protection Act 1986 b) The Indian Companies Act 2013	10 06	--	Class Room Lectures, Problem Solving
8	March	a) The Indian Companies Act 2013	16	--	Class Room Lectures, Problem Solving
9	April	a) The Indian Companies Act 2013 b) The Securities and Exchange Board of India 1992	08 08	--	Lectures, Problem Solving Class Room Lectures, Problem Solving
10	May	a) The Securities and Exchange Board of India 1992 b) The Central Vigilance Commission Act, 2003 b) University Examination	02 10 --	--	Class Room Lectures, Problem Solving
11	June	a) University Examination	--	--	--
12	July	a) Summer vacation	--	--	--

Teacher

Head


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 Paranda Road, Kurduwadi. Tal-Madha, Dist-Solapur. Pin-413 208 (Maharashtra)


Teaching Plan for the Year – 2021-22

Name of the Teacher: Dr. Shridevi Nagnath Chandane	Class: B.Com - III
Subject: Modern Management Practices	Title of the Paper : Modern Management Practices

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	a) Admission Process b) Strategic Management	-- 08	--	Online Lectures, Problem Solving
2	September	a) Types of strategies b) Human Resource Management	07 09	--	Online Lectures, Problem Solving
3	October	a) Human Resource Management b) Recent Trends in Human Resource Management	06 10	--	Online Lectures, Problem Solving
4	November	a) Recent Trends in Human Resource Management b) Diwali Vacation c) Globalization and Management	05 -- 11	--	Online Lectures, Problem Solving
5	December	a) Globalization and Management b) University Examination	04 --	--	Online Lectures, Problem Solving
6	January	a) University Examination	--	--	-- --
7	February	a) Business Process Outsourcing b) Stress Management	08 08	--	Class Room Lectures, Problem Solving
8	March	a) Japanese Management	16	--	Class Room Lectures, Problem Solving
9	April	a) Quality Standards	16	--	Lectures, Problem Solving Class Room Lectures, Problem Solving
10	May	a) Event Management b) Disaster Management b) University Examination	06 06	--	Class Room Lectures, Problem Solving
11	June	a) University Examination	--	--	
12	July	a) Summer Vacation	--	--	-- --


Teacher

Head


Principal
K. N. Bhise Arts, Commerce & Vinayakrao
Patil Science College,
Vidyanagar Bhosare, Dist. Solapur



Madha Taluka Shikshan Prasarak Mandal's
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Vidyanagar, Bhosare.
 NAAC Re-accredited 'B' Grade
 Paranda Road, Kurduwadi. Tal-Madha, Dist-Solapur. Pin-413 208 (Maharashtra)


Teaching Plan for the Year – 2021-22

Name of the Teacher: Mr. Prashant Kamalakar Narkhade	Class: B.Com - II
Subject: Corporate Accounting	Title of the Paper : Corporate Accounting

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	a) Admission Process b) Accounting Standards	-- 08	--	Online Lectures, Problem Solving
2	September	a) Accounting Standards b) Issue and forfeiture of Shares	02 14	--	Online Lectures, Problem Solving
3	October	a) Issue and forfeiture of Shares b) Final Accounts of Companies	06 10	--	Online Lectures, Problem Solving
4	November	a) Final Accounts of Companies b) Profit Prior to Incorporation.	10 06	--	Online Lectures, Problem Solving
5	December	a) Profit Prior to Incorporation b) Diwali Vacation c) University Examination	04 --	--	Online Lectures, Problem Solving
6	January	a) University Examination	--	--	--
7	February	a) Funds Flow & Cash flow Statement	16	--	Class Room Lectures, Problem Solving
8	March	a) Funds Flow & Cash flow Statement b) Issue and Redemption of Debentures	04 12	--	Class Room Lectures, Problem Solving
9	April	a) Issue and Redemption of Debentures b) Valuation of Goodwill and Shares	03 13	--	Lectures, Problem Solving Class Room Lectures, Problem Solving
10	May	a) Valuation of Goodwill and Shares b) Liquidation of Companies c) University Examination	02 10 --	--	Class Room Lectures, Problem Solving
11	June	a) University Examination	--	--	--
12	July	a) Summer Vacation	--	--	--

Teacher

Head


 Principal
 K. N. Bhise Arts, Commerce & Vinayakrao
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 Vidyanagar Bhosare, Dist. Solapur

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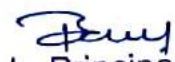
Teaching Plan for the Year – 2021-22

Name of the Teacher: Dr. Shridevi Nagnath Chandane	Class: B.Com - II
Subject: Fundamentals of Entrepreneurship	Title of the Paper : Fundamentals of Entrepreneurship

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	a) Admission Process b) Introduction to Entrepreneurship	-- 08	--	Online Lectures, Problem Solving
2	September	a) Introduction to Entrepreneurship b) Entrepreneurship in different Sectors	07 09	--	Online Lectures, Problem Solving
3	October	a) Entrepreneurship in different Sectors b) Starting new Ventures	06 10	--	Online Lectures, Problem Solving
4	November	a) Starting new Ventures b) Diwali Vacation c) Project Management and Project Report	05 11	--	Online Lectures, Problem Solving
5	December	a) Project Management and Project Report b) University Examination	04 --	--	Online Lectures, Problem Solving
6	January	a) University Examination	--	--	--
7	February	a) Entrepreneurship Development b) Small Scale Industries.	15 01	--	Class Room Lectures, Problem Solving
8	March	a) Small Scale Industries.	16	--	Class Room Lectures, Problem Solving
9	April	a) Small Scale Industries. b) Rural and Agri Entrepreneurship c) Lesson from Successful Entrepreneurs	03 10 03	--	Lectures, Problem Solving Class Room Lectures, Problem Solving
10	May	a) Lesson from Successful Entrepreneurs b) University Examination	12 --	--	Class Room Lectures, Problem Solving
11	June	a) University Examination	--	--	--
12	July	Summer Vacation	--	--	--


Teacher

Head


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K. N. Bhise Arts, Comm. & Vinayakrao
Patil Science College,
Vidyanagar Bhosare, Dist. Solapur

Madha Taluka Shikshan Prasarak Mandal's
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 Paranda Road, Kurduwadi. Tal-Madha, Dist-Solapur. Pin-413 208 (Maharashtra)

Teaching Plan for the Year – 2021-22

Name of the Teacher: Dr. Shridevi Nagnath Chandane	Class: B.Com - II
Subject: Business Statistics	Title of the Paper : Business Statistics

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	a) Admission Process	--	--	Online Lectures, Problem Solving
		b) Introduction to Statistics	08		
2	September	a) Introduction to Statistics	12	--	Online Lectures, Problem Solving
		b) Measures of Central Tendency	04		
3	October	a) Measures of Central Tendency	11	--	Online Lectures, Problem Solving
		b) Measures of Dispersion	05		
4	November	a) Measures of Dispersion	10	--	Online Lectures, Problem Solving
		b) Diwali Vacation	06		
		c) Correlation and Regression			
5	December	a) Correlation and Regression	04	--	Online Lectures, Problem Solving
		b) University Examination	--		
6	January	a) University Examination	--	--	--
7	February	a) Statistical Quality Control (SQC)	14	--	Class Room Lectures, Problem Solving
		b) Index Numbers	02		
8	March	a) Index Numbers	13	--	Class Room Lectures, Problem Solving
		b) Probability and Probability Distributions	03		
9	April	a) Probability and Probability Distributions	13	--	Lectures, Problem Solving Class Room Lectures, Problem Solving
		b) Time Series	03		
10	May	a) Time Series	12	--	Class Room Lectures, Problem Solving
		b) University Examination	--		
11	June	a) University Examination	--	--	--
12	July	a) Summer Vacation	--	--	--


Teacher

Head


I/c Principal
Principal
K. N. Bhise Arts, Com. & Vinayakrao
Patil Science College,
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Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts and Commerce Kurduwadi.
 NAAC Re-accredited 'B' Grade
 Paranda Road, Kurduwadi. Tal-Madha, Dist-Solapur. Pin-413 208 (Maharashtra)

Teaching Plan for the Year – 2021-22

Name of the Teacher: Mr. Prashant Kamalakar Narkhade	Class: B.Com - I
Subject: Financial Accounting	Title of the Paper : Financial Accounting

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	a) Admission Process b) Introduction to accounting	-- 08	--	Online Lectures, Problem Solving
2	September	a) Introduction to accounting b) Advanced Issues in Partnership Accounts	02 14	--	Online Lectures, Problem Solving
3	October	a) Advanced Issues in Partnership Accounts b) Accounts of Not for-Profit Organization	04 12	--	Online Lectures, Problem Solving
4	November	a) Accounts of Not for-Profit Organization b) Diwali Vacation c) Final Accounts Of Co-Op Societies	06 -- 10	--	Online Lectures, Problem Solving
5	December	a) Final Accounts Of Co-Op Societies b) University Examination	04 --	--	Online Lectures, Problem Solving
6	January	a) University Examination	--	--	--
7	February	a) Single entry system b) Accounting for special sales transaction	13 03	--	Class Room Lectures, Problem Solving
8	March	a) Accounting for special sales transaction b) Branch accounting	11 05	--	Class Room Lectures, Problem Solving
9	April	a) Branch accounting b) Departmental accounts	15 01	--	Lectures, Problem Solving Class Room Lectures, Problem Solving
10	May	a) Departmental accounts b) University Examination	12 --	-	Class Room Lectures, Problem Solving
11	June	a) University Examination	--	--	
12	July	b) Summer Vacation	--	--	--

Teacher

Head

Prashant
 Principal
 K. N. Bhise Arts, Commerce & Science College,
 Patil Science College,
 Vidyanagar Bhosare, Dist. Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.
 NAAC Re-accredited 'B' Grade
 Paranda Road, Kurduwadi. Tal-Madha, Dist-Solapur. Pin-413 208 (Maharashtra)

Teaching Plan for the Year – 2021-22

Name of the Teacher: Dr. Shridevi Nagnath Chandane	Class: B.Com - I
Subject: Principles of Business Management	Title of the Paper : Principles of Business Management

Sr. No.	Month	Name of the Topic/Sub-topic	Total Hours Required		Teaching Method
			Theory	Practical	
1	August	a) Admission Process b) Introduction to Business Management	-- 08	--	Online Lectures, Problem Solving
2	September	a) Introduction to Business Management b) Planning	07 09	--	Online Lectures, Problem Solving
3	October	a) Planning b) Decision Making	06 10	--	Online Lectures, Problem Solving
4	November	a) Decision Making b) Diwali Vacation c) Organising	05 11		Online Lectures, Problem Solving
5	December	a) Organising b) University Examination	04	--	Online Lectures, Problem Solving
6	January	a) University Examination	--	--	--
7	February	a) Motivation b) Leadership	15 01	--	Class Room Lectures, Problem Solving
8	March	a) Leadership b) Controlling	14 02	--	Class Room Lectures, Problem Solving
9	April	a) Controlling b) Management of Change	13 03	--	Lectures, Problem Solving Class Room Lectures, Problem Solving
10	May	a) Management of Change b) University Examination	12 --	--	Class Room Lectures, Problem Solving
11	June	a) University Examination	--	--	
12	July	a) Summer Vacation	--	--	--


 Teacher

Head


 Principal
 K. N. Bhise Arts, Commerce and Vinayakrao
 Patil Science College,
 Vidyanagar Bhosare, Dist. Solapur

1.1.1

The instruction ensure effective curriculum delivery through a well planned and documents process

Record of Departmental Time Table

Index

Sr. No.	Name of the subject	Sub-File Name	Page No.
1	English	F	2
2	Hindi		6
3	History		9
4	Geography		12
5	Marathi		13
6	Economics		14
7	Physics		15
8	Chemistry		17
9	Microbiology		21
10	Mathematics		27
11	Zoology		28
12	Botany		31
13	Commerce		34

**Madha Taluka Shikshan Prasarak Mandal's,
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar,
Bhosare**

Department of English

Time Table: 2021-2022

Total No. of Papers – 15

Total No. of Lectures – 60 + 4

Period	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	8.00	B.A.III Spl	B.A.III Spl	B.A.III Spl	B.A.IOpt	B.A.IOpt	B.A.IOpt
	to	B.A.II Opt	B.A.II Opt	B.A.II Opt	B.A.III Spl	B.A.III Spl	B.A.III Spl
	8.48	B.Sc.I Com	B.Sc.I Com	B.Sc.I Com	B.Com.I Com	B.Com.I Com	B.Com.I Com
2	8.48	B.A.III Spl	B.A.III Spl	-	-	B.A.III Spl	B.A.III Spl
	to 9.36						
3	9.36	B.A.III Com	B.A.III Com	B.A.III Com	B.A.II Com	B.A.II Com	B.A.II Com
	to	B.A.I Com	B.A.I Com	B.A.I Com	B.Com.II Com	B.Com.II Com	B.Com.II Com
	10.21	(Div. A& B)	(Div. A& B)	(Div. A& B)	B.Sc.III Com B.A.III Spl	B.Sc.III Com B.A.III Spl	B.Sc.III Com B.A.III Spl
4	10.35	B.A.III Spl	B.A.III Spl	B.Sc.III Com	B.A.III Spl	B.A.III Spl	B.A.III Spl
	to				B.A.II Opt	B.A.II Opt	B.A.II Opt
	11.33				B.Com.II Com	B.Com.I Com	B.A.III Com
5	11.33	B.A.III Spl	-	B.A.III Spl	-	-	B.Sc.I Com
	to 12.21	B.A.I Com (Div. A& B)					
6	12.21	B.A.IOpt	-	-	-	-	-
	to 1.07						

7	1.07 to 1.55	B.A.IIOpt	B.A.IIOpt	B.A.II Com	-	-	B.Sc. III Com
8	1.55 to 2.43	-	-	-	-	-	-

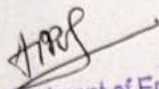
TOTAL WORKLOAD = 64

Dr. A.P.Pol = 23

Dr. S.V.Londhe = 23

Mr. P.G.Sawant = 09

Miss Pooja Lokhande = 09


 Head, Department of English
 KNBAC & VPS College, Bhosare.

Madha Taluka Shikshan Prasarak Mandal's,
K. N. Bhise Arts Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare

Department of English

Year - 2021-2022

Time Table

Name of the Teacher: Dr. A. P. Pol

Workload:16

Sr. No.	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	08.00 to 8.48	B.A. III Paper XI	B.A. III Paper XI	B.A. III Paper XI	B. A. I Optional	B. A. I Optional	B. A. I Optional
2	08.48 to 09.36				B.A. III Paper IX	B.A. III Paper IX	B.A. III Paper IX
3	09.36 to 10.35	B. A. III Comp	B. A. III Comp	B. A. III Comp			
4	10.35 to 11.33	B.A. III Paper XI	B.A. III Paper IX		B. A.II Paper IV	B. A.II Paper IV	B. A.II Paper IV
5	11.33 to 12.21						B. A. III Comp
6	12.21 to 01.07	B. A. I Optional					
7	01.07 to 01.55		B. A.II Paper IV				
8	01.55 to 02.43						

Total Lectures: 20

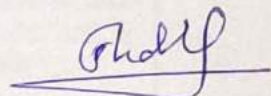

Head, Department of English
KNBAC & VPS College, Bhosare.

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts Commerce and Vinayakrao Patil Science College, Vidyanagar,
Bhosare
Department of English

2021-2022

Name of Teacher: Prof. Dr. Londhe S. V.

Period/ Practical	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	8.00 to 8.45	B.A.II Opt	B.A.II Opt	B.A.II Opt	---	--	--
2	8.45 to 9.30	B.A.III Spl	B.A.III Spl	B.A.III Spl	B.A.III Spl	B.A.III Spl	B.A.III Spl
3	9.30 to 10.15	B.A.I English (C)	B.A.I English (C)	B.A.I English (C)	B.Sc.III English (C)	B.Sc.III English (C)	B.Sc.III English (C)
4	10.30 to 11.15						
5	11.15 to 12.00			B.A.III Spl			
6	12.00 to 12.45	B.A. I English (C)			B.A.III Spl		B.Sc. III English (C)
7	12.45 to 1.30		B.A.II Opt				
8	1.30 to 2.15						


(Dr. S. V. Londhe)

K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare

Department of Hindi

Time Table 2021-22

Period	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	8.00 to 8.48	B.A.II (MNS) P.IV B.A.III (RPR) P.IX	B.A.II (MNS) P.IV B.A.III (RPR) P.IX	B.A.II (MNS) P.IV B.A.III (RPR) P.IX	B.A.I (MNS) P.I B.A.III (RPR) P.XI	B.A.I (MNS) P.I B.A.III (RPR) P.XI	B.A.I (MNS) P.I B.A.III (RPR) P.XI
2	8.48 to 9.36	B.A.III (MNS) P.VII	B.A.III (MNS) P.VII	B.A.III (MNS) P.VII	B.A.III (MNS) P.VIII	B.A.III (MNS) P.VIII	B.A.III (MNS) P.VIII
3	9.36 to 10.24				B.A.III (MNS) P.X	B.A.III (RPR)	B.A.III (MNS) P.X
4	10.35 to 11.33	B.A.III (MNS) P.X	B.A.III (MNS) P.VIII	B.A.III (MNS) P.X	B.A.III (MNS) P.VII B.A.II (RPR) P.III	B.A.III (MNS) P.XI B.A.II (RPR) P.III	B.A.II (RPR) P.III
5	11.33 to 12.21				B.A.I (MNS) P.I		
6	12.21 to 01.07						
7	01.07 to 01.55	B.A.II (MNS) P.IV	B.A.II (RPR) P.III				
8	01.55 to 2.43						

M.S. Vate

Head, Department of Hindi
K.N.B.A.C. & V.P.S. College, Bhosare

Beug

I/c. Principal

K.N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

MNS:- Dr. Manisha Salunkhe - 21

RPR:- Rohidas Rokde - 11

Total Workload:- 32

Madha Taluka Statistics Prasarak Mandali's

K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare

Department of Hindi

Individual Workload 2021-22

Name of the Teacher :- Dr. Manisha Salunke

Period	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	8.00 to 8.40	B.A.II (MNS) P.IV	B.A.II (MNS) P.IV	B.A.II (MNS) P.IV	B.A.I (MNS) P.I	B.A.I (MNS) P.I	B.A.I (MNS) P.I
2	8.40 to 9.20	B.A.III (MNS) P.VII	B.A.III (MNS) P.VII	B.A.III (MNS) P.VII	B.A.III (MNS) P.VIII	B.A.III (MNS) P.VIII	B.A.III (MNS) P.VIII
3	9.20 to 10.00				B.A.III (MNS) P.X		B.A.III (MNS) P.X
4	10.05 to 11.00	B.A.III (MNS) P.X	B.A.III (MNS) P.VII	B.A.III (MNS) P.X	B.A.III (MNS) P.VII	B.A.III (MNS) P.XI	
5	11.10 to 12.20				B.A.I (MNS) P.I		
6	12.20 to 1.00						
7	1.05 to 1.45	B.A.II (MNS) P.IV					
8	1.50 to 2.30						

MNS :- Dr. Manisha Salunke :- 21

Total Workload :- 32

Manisha Salunke

I/c.Principal

K. N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Manisha Salunke
Head, Department of Hindi
K. N. Bhise Arts, Commerce &
Vinayakrao Patil Science College

Madha Taluka Shikshan Prasarak Mandal's

K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare

Department of Hindi

Individual Workload 2021-22

Name of the Teacher :- Prof. R. P. Rokade

Period	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	8.00 to 8.48	B.A.III (RPR) P.IX	B.A.III (RPR) P.IX	B.A.III (RPR) P.IX	B.A.III (RPR) P.XI	B.A.III (RPR) P.XI	B.A.III (RPR) P.XI
2	8.48 to 9.36					B.A.III (RPR)	
3	9.36 to 10.24						
4	10.35 to 11.33				B.A.II (RPR) P.III	B.A.II (RPR) P.III	B.A.II (RPR) P.III
5	11.33 to 12.21						
6	12.21 to 01.07						
7	01.07 to 01.55		B.A.II (RPR) P.III				
8	01.55 to 2.43						

MINS :- Dr. Manisha Salunkhe :- 11
Total Workload :- 32

B. P. Rokade

I/c.Principal

K.M.Bhise Arts,Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare,Dist-Solapur

M. S. Rokade
Head, Department of Hindi
KNBAC & VPS College, Bhosare

K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar Bhosare

Department of History

Departmental Time Table

Year- 2021-22

Sr. No	Name Of Professor	Short Name	Workload
1	Prof. Pantulwar R.G	R.G.P	20
2	Prof. Shejul B.R.	B.R.S.	20

Period No	Time	Mon	Tue	Wed	Thu	Fri	Sat
1]	08 to 08.48	T.Y.B.A.- (RGP) (D5)	T.Y.B.A (RGP)(D5)	T.Y.B.A (RGP)(D5)	S.Y.B.A (B1) P.NO-IV (BRS) T.Y.B.A. (RGP)(D5)	S.Y.B.A (B1) P.NO-IV (BRS) T.Y.B.A. (RGP)(D5)	S.Y.B.A (B1) P.NO-IV (BRS) T.Y.B.A. (RGP)(D5)
2]	8.48 to 9.36	T.Y.B.A. (BRS)(D5)	T.Y.B.A. (BRS)(D5)	T.Y.B.A. (BRS)(D5)	F.Y.B.A D-A (RGP)(B3) D-B (BRS) (C6)	F.Y.B.A D-A (RGP)(B3) D-B (BRS) (C6)	F.Y.B.A D-A (RGP)(B3) D-B (BRS) (C6)
3]	9.36 to 10.24	S.Y.B.A -(D5) H.S.R.M. (RGP)	S.Y.B.A -(D5) H.S.R.M. (RGP)	S.Y.B.A -(D5) H.S.R.M. (RGP)	T.Y.B.A. (BRS)(D5)	T.Y.B.A. (BRS)(D5)	T.Y.B.A. (BRS)(D5)
4]	10.36 to 11.33	S.Y.B.A P.No-III RGP T.Y.B.A (BRS)(D5)	S.Y.B.A P.No-III T.Y.B.A (BRS)(D5)	S.Y.B.A P.No-III T.Y.B.A (BRS)(D5)	T.Y.B.A. (BRS)(D5)	T.Y.B.A (BRS)(D5)	
5]	11.33 to 12.21	T.Y.B.A (RGP) (D5)	T.Y.B.A (RGP) (D5)	T.Y.B.A (BRS) (D5)		F.Y.B.A- D-A -(RGP)(D5) D-B- (BRS)(D4)	
6]	12.21 to 1.07					S.Y.B.A P.No-III (RGP) (D5)	S.Y.B.A P.No-IV (BRS)(D5)
7]	1.07 to 1.55				S.Y.B.A - H.S.R.M. (RGP)(D5)		
8]	1.55 to 2.43						

Head of Department

Head, Department of History
KNBAC & VPS College, Bhosare.

Principal

I/c. Principal

K.N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Bhosare, Dist. Solapur.

Sr.No	Name Of Professor	Short Name	Workload
1	Prof. Pantulwar R.G	R.G.P.	20

Period No	Time	Mon	Tue	Wed	Thu	Fri	Sat
1]	08 to 08.48	T.Y.B.A.- (RGP) (D5)	T.Y.B.A (RGP)(D5)	T.Y.B.A (RGP)(D5)	T.Y.B.A. (RGP)(D5)	T.Y.B.A. (RGP)(D5)	T.Y.B.A. (RGP)(D5)
2]	8.48 to 9.36				F.Y.B.A D-A (RGP)(B3) D	F.Y.B.A D-A (RGP)(B3)	F.Y.B.A D-A (RGP) (B3)
3]	9.36 to 10.24	S.Y.B.A -(D5) H.S.R.M. (RGP)	S.Y.B.A -(D5) H.S.R.M. (RGP)	S.Y.B.A -(D5) H.S.R.M. (RGP)			
4]	10.35 to 11.23	S.Y.B.A P.No-III RGP	S.Y.B.A P.No-III	S.Y.B.A P.No-III			
5]	11. 23 To 12. 11	T.Y.B.A (RGP) (D5)	T.Y.B.A. (RGP) (D5)			F.Y.B.A- D-A - (RGP)(D5)	
6]	12.11 to 12.59					S.Y.B.A P.NO-III (RGP) (D5)	
7]	12.59 to 01.47				S.Y.B.A - H.S.R.M. (RGP)(D5)		
8]	1. 47 to 2.35						

R.G. Pantulwar
Subject Teacher
Head, Department of History
KNBAC & VPS College, Bhosare.

R.G. Pantulwar
HoD
Head, Department of History
KNBAC & VPS College, Bhosare.

Pantulwar
I/c.Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur



K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar Bhosare
Department of History
Individual Time Table

Year- 2021-22

Period No	Time	Mon	Tue	Wed	Thu	Fri	Sat	Prof. Shejul B.R.	
								Sr.No	Workload
1]	08 to 08.48							2	18
2]	8.48 to 9.36	T.Y.B.A. (BRS)(D5)	T.Y.B.A. (BRS)(D5)	T.Y.B.A. (BRS)(D5)	S.Y.B.A.(B1) P.NO-IV (BRS)	S.Y.B.A (B1) P.NO-IV (BRS)	S.Y.B.A (B1) P.NO-IV (BRS)		
3]	9.36 to 10.24				T.Y.B.A. (BRS)(D5)	T.Y.B.A. (BRS)(D5)	T.Y.B.A. (BRS)(D5)		
4]	10.35 to 11.23	T.Y.B.A (BRS)(D5)	T.Y.B.A (BRS)(D5)	T.Y.B.A (BRS)(D5)	T.Y.B.A. (BRS)(D5)	T.Y.B.A (BRS)(D5)	T.Y.B.A (BRS)(D5)		
5]	11. 23 To 12. 11	T.Y.B.A (BRS)(D5)	T.Y.B.A (BRS)(D5)	T.Y.B.A (BRS) (D5)					
6]	12.11 to 12.59						S.Y.B.A. P.No-IV (BRS)(D5)		
7]	12.59 to 01.47								
8]	1. 47 to 2.35								

Shree
Subject Teacher

Rajkumar
Head of Department

Prakash
I/c.Principal

K.N.Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar Bhosare
DEPARTMENT OF GEOGRAPHY TIME TABLE (2020-2021)

Period No.	Time	Class	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	8.00 to 8.48	B.A.III.	Geo.(C2)BAM)	Geo.(C2)BAM)	Geo.(C2 VBN)	Geo.(C2 VBN)	Geo.(C2 VBN)	Geo.(C2 VBN)
		B.A.I	Geo Div A(B3) (VBN)	Geo Div A(B3) (VBN)	Geo Div A (B3) (VBN)			
2	8.48 to 9.36		Geo Div B (C6) (VBN)	Geo Div B (C6) (VBN)	Geo Div B (C6) (VBN)			
		B.A.II	Geo.(B2 KAA)	Geo.(B2 KAA)	Geo.(B2 KAA)	Geo.(B2)(VBN)	Geo.(B2)(VBN)	Geo.(B2)(VBN)
		B.A.III.	Geo.(C2 RRP)	Geo.(C2 RRP)	Geo.(C2 BAM)	Geo.(B2 BAM)	Geo.(B2 KAA)	Geo.(B2 KAA)
3	9.36 to 10.24	B.A. I				STD. Div A(B3 BAM)	STD. Div A(B3 BAM)	STD. Div A(B3 BAM)
		B.com I	Geo B4 KAA	Geo B4 KAA	Geo B4 KAA	STD.Div B (C6)	STD.Div B (C6)	STD. Div B (C6)
		B.A.II	GT (B1 BAM)	GT (B1 BAM)	GT (B1 BAM)			STD.Div B (C6)
		B.A.III.				Geo P (C2)VBN)	Geo P (C2)VBN)	Geo P(C2 VBN)
10.24 To 10.35 Interval								
4	10.35 to 11.33	B.A.III.	Geo. (P)(C2) (VBN)	Geo. (P)(C2) (VBN)	Geo P (C2 KAA)	Geo P (C2 KAA)	Geo P(C2 RRP)	
		B.A.I		STD. Div A(D2) (BAM)				Geo Div A(B3) (VBN)
5	11.33 to 12.19			STD Div B (D4)				Geo Div B (D4) (VBN)
		B.A.III	Geo. (P)(C2) (VBN)	Geo. (P)(C2) (VBN)	Geo P (C2 KAA)	Geo P (C2 KAA)	Geo.p (RRP)	Geo. Div B (D4) (VBN)
6	12.21 to 01.07	B.A.II	Geo. (C6) (VBN)		Geo.(C2 PRRP)			Geo. p (RRP)
		B.A.III	Geo. (P)(C2) (PRRP)	Geo. (P)(C2) (VBN)	Geo. (P)(C2) (PRRP)	Geo. (P)(C2) (PRRP)	Geo. (P)(C2) (PRRP)	Geo. (P)(C2) (PRRP)
7	01.07 to 1.35	B.A.II				Geo.(C2 BAM)		Env. (C2) (RRP)
		B.A.II						
8	1.35 to 2.43	B.A.II	Env. (C2) (RRP)	Env. (C2) (RRP)	Env. (C2) (RRP)	--		--

Sr.No	Name Of Professor	Short Name	Workload
1	Prin. Dr. R.R. Patil	PRRP	6
2	Dr. Nagare V.B	VBN	24
3	Dr. Patil Ranjeet	RRP	16
4	Mis. Khare A.A.	KAA	12
6	Prof. Band A.M	BAM	12

M. H.O.D
(Dr.R.R. Patil)

M. Principal
Head, Department of Geography

M. I/c.Principal
(Dr.R.R. Patil)

K.N.Bhise Arts, Commerce & Vinayakrao Patil Science College Vidyanagar Bhosare, Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College
Vidyanagar, Bhosare.
Department of Marathi

Departmental Time Table

Year - 2021 – 2022

Sr.No	Name of the Teacher	Workload
1	Prof. Dr. Kamble Prakash Sadashiv	18
2	Prof. Dr. Mohite Sarika Vishnudas	18

Period/ Practical	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	08:00-08:48	B.A.III B.A. I	B.A.III B.A. I	B.A.III B.A. I	B.A.III B.A II	B.A.III B.A II	B.A.III B.A II
2	08:48-09:36	- B.A.III	- B.A.III	- B.A.III	B. Com. I B.A.III	B. Com. I B.A.III	B.Com.I B.A.III
3	09:36-10:24	-	-		- B.A.III	B.A.III	B.A.III
4	10:35-11:33	B.A II B.A.III	B.A II B.A.III	B.A II B.A.III	B.A.III B. Com. I	B.A.III	
5	11:33-12:21	-	-	-	-	-	-
6	12:21-01:07	-	-	-	-	-	-
7	01:07-01:55	-	-	-	-	B.A.II	B.A. I B.A II
8	1:55-02:45	-	-	-	-	-	-

Bany
Head of Department
Head, Department of Marathi
KNBAC & VPS College, Bhosare.

Bany
I/c. Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur


**K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL
SCIENCE COLLEGE, VIDYANAGAR BHOSARE**

DEPARTMENT OF ECONOMICS Academic Year 2021-2022

DEPARTMENTAL TIMETABLE

Period/ Practical	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	08to 08.48	T.Y. B.A. Paper- VII, XII, F.Y.B.Co m Paper – B.Eco	T.Y. B.A. Paper- VII, XII, F.Y.B.Co m Paper – B.Eco	T.Y. B.A. Paper- VII, XII, F.Y.B.Com Paper – B.Eco	T.Y. B.A. Paper-VIII, XIII T.Y. B.Com CO-Op.	T.Y. B.A. Paper- VIII, XIII T.Y. B.Com CO-Op.	T.Y. B.A. Paper- VIII, XIII T.Y. B.Com CO-Op.
2	8.48 to 9.36	S.Y. B.A. Paper – III, V T.Y.B.A. Paper No. IX, XIV	S.Y. B.A. Paper – III, V T.Y.B.A. Paper No. IX, XIV	S.Y. B.A Paper – III, V T.Y.B.A. Paper No. IX, XIV	S.Y. B.A. Paper – IV, VI T.Y. B.A. Paper-X, XV	S.Y. B.A. Paper - IV, VI T.Y. B.A. Paper-X, XV	S.Y. B.A Paper - IV, VI T.Y. B.A. Paper-X, XV
3	9.36 to 10.24	S.Y. B.Com (B.Eco.)	S.Y. B.Com (B.Eco.)	S.Y. B.Com (B.Eco.)	S.Y. B.Com Paper- M.F.S.) T.Y. B.A. Paper-X, XV	S.Y. B.Com Paper- B M.F.S.) T.Y. B.A. Paper-X, XV	S.Y. B.Com Paper- M.F.S.) T.Y. B.A. Paper-X, XV
4	10.36 to 11.33	F.Y. B.A. Paper I, II F.Y.B.Co m Paper – B.Eco	F.Y. B.A. Paper I, II	F.Y. B.A. Paper I, II	T.Y. B.A. Paper- XI, XVI	S.Y. B.Com (M.F.S.) T.Y. B.A. Paper- XI, XVI	T.Y.B.A. Paper No. IX, XIV T.Y. B.Com CO-Op.
5	11.33 to 12.21			F.Y. B.A. Paper I, II	T.Y. B.A. Paper- VII, XII,	T.Y.B.A. P- XI, XVI	T.Y.B.A.P - XI, XVI
6	12.21 to 1.07	F.Y. B.A. Paper I, II		S.Y. B.A. Paper - III	T.Y. B.A. Paper-X, XV	S.Y. B.Com Paper- B.Eco	S.Y. B.A Paper - IV, VI
7	1.07 to 1.55				T.Y. B.A. Paper-VIII, XIII		
8	1.55 to 2.43						


Head, Department of Economics
KNBAC & VPS College, Bhosare.


I/c.Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur


MADHA TALUKA SHIKSHAN PRASARAK MANDAL
K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL SCIENCE COLLEGE, BHOSARE

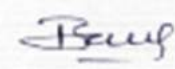
Department of Physics
Academic Year 2021-22

Time table

Time	Class/Day	Mon	Tue	Wed	Thu	Fri	Sat
8 to 8:48	B.Sc. I	-	-	-	-	-	-
	B.Sc. III	AMM	AMM	AMM	SBD	SBD	AMR
8:48 to 9:36	B.Sc. I	-	-	-	-	-	-
	B.Sc. III	AMR	AMR	AMR	AMM	AMM	SBD
9:36 to 10:24	B.Sc. I	-	-	-	-	-	-
	B.Sc. III	-	-	-	-	-	-
10:24 to 11:12	B.Sc. I	AMM	AMM	AMM	-	SBD	SBD
	B.Sc. III	AMR	AMR	AMR	Eng	Eng	Eng
12:20 to 1:08	B.Sc. II	AMP	AMR	-	-	-	-
1 to 1:56	B.Sc. II	-	-	SBD	SBD	-	-
1: to 2.44	B.Sc. II	-	-	-	-	SBD	AMM

Name of the Teachers	Name of the Paper
AMM- Dr. A. M. More	Solid State Physics, Optics and lasers, Material Science, Modern Physics, Instrumentation, Optics,
SBD- Mr. S. B. Duchal	Mechanics, Classical Physics, Nuclear Physics, Atomic molecular and quantum mechanics, General Physics, Electricity, magnetisms and basic electronics
AMR- Mr. A. M. Rajage	MMP, Mechanics, Electrodynamics, Electronics, Heat and thermodynamics


Head, Department of Physics
KNBAC & VPS College, Bhosare.


I/c. Principal
K. N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur


MADHA TALUKA SHIKSHAN PRASARAK MANDAL
K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL SCIENCE COLLEGE, BHOSARE

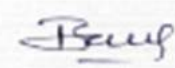
Department of Physics

Academic Year 2021-22

Total Workload

Name of the Teacher	AMM	SBD	AMR
Theory	9	8	8
Practical	-	-	-
Total	9	8	8


Head, Department of Physics
KNBAC & VPS College, Bhosare,


I/c. Principal
K. N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare
 Paranda Road, Kurduwadi Tal-Madha Dist-Solapur Pin-413 208 (Maharashtra)


Department of Chemistry
Academic Calendar
Year 2021-2022

Sr.No.	Month	Class B.Sc.	Tentative Date	Activities
1	June	-	last week	Departmental meeting
			last week	Departmental activity
2	July	I,II,III	Online Exam	-
3	August	I	Last week	Admission Process
		II	Last week	Admission process
		III	Last week	Admission process
4	September	I	Second week	Bridge Course
		II	Second week	Bridge Course
		III	5 Sept. 2021	Celebration of teachers day
		I, III	16/09/2021	Environmental awareness activity
5	October	III	Last week	Inauguration of chemistry study association
		I	Second week	Unit test
		II	Third week	Unit test
		III	Third week	Unit test
			Third week	Departmental meeting
6	November	I	Second week	Student oriented activity Poster on periodic table
		II	Second week	Student oriented activity
		III	Second week	Student oriented activities
		III	(second week)	Certificate Course
7	December	I, III	First week	Unit test

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare

Paranda Road, Kurduwadi Tal-Madha Dist-Solapur Pin-413 208 (Maharashtra)

		II	Second week	Unit test
		I, III	Third week	Unit test
		III	Last week	Extension activity
8	January	I	First	Remedial lecture Lectures for slow learners
		II	Second	Remedial lectures
		III	First	Soft skill development (Guest lecture)
		III	First	Study tour
		I, II, III	Last week	University examination work
9	February		First week	Departmental meeting
				Result analysis
			Second week	Value added course
			Second week	Guest Lecture
		I	Third week	CIE
		II	Third week	CIE
		III	Third week	CIE
		I, II & III	28/02/2022	Celebration of National Science Day


Head, Department of Chemistry
KNBAC & VPS Solapur, Bhosare.


Principal
K. N. Bhise Arts, Comm. & Vinayakrao
Patil Science College,
Vidyanagar Bhosare, Dist. Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare
Department of Chemistry
Time Table 2021-2022

Time	Class/Day	Mon	Tue	Wed	Thu	Fri	Sat
08:00 to 08:48	B. Sc - I	-	-	-	-	-	-
	B. Sc- III	SPP	SPP	DMK	MMP	MMP	DMK
08:48 to 09:36	B. Sc- I	MMP	MMP	VSS	VSS	VSS	-
	B. Sc- III	VSS	AIT	AAP	AAP	TBL	VSS
09:36 to 10:24	B. Sc- I	-	-	-	-	-	-
	B. Sc- III	Test SPP/TBL	Seminar MMP/ DMK	Certificate course VSS	Eng	Eng	Eng
10:24 to 11:12	B. Sc - I	-	-	-	-	-	-
	B. Sc- III	AIT/ MMP	-	-	-	-	-
12:20 to 1:08	B.Sc.-II	AAP	AAP	SPP	SPP	-	-
1:08 to 1:56	B.Sc.-II	-	-	-	-	-	SPP
1: 56 to 2.44	B.Sc.-II	-	-	-	-	AAP	-

[Signature]

Head, Department of Chemistry
 KNBAC & VPS College, Bhosare.



[Signature]

Principal
 K. N. Bhise Arts, Comm. & Vinayakrao
 Patil Science College,
 Vidyanagar Bhosare, Dist. Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare
Department of Chemistry
Time Table 2021-2022

Practicals

Time	Class/Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
11:32 to 02:44	B. Sc - I	MMP	DMK	AIT	AAP	TBL	VSS
	B. Sc- III	SPP	AIT	VSS	DMK	AAP	MMP
08:00 to 11:15	B. Sc - II	DMK	VSS	MMP	TBL	SPP	SPP
Teachers Name	VSS	SPP	MMP	AAP	DMK	AIT	TBL
Th.	06	06	06	05	03	02	02
Pr.	13	13	13	09	13	09	08
Total	19	19	19	14	16	11	10

VSS : Mrs. Vandana Sandipan Shinde

SPP : Mr. Shankar Pralhadrao Phulwale

MMP: Mr. Madanrao Mohanrao Patil

AAP : Dr. Amol Abhimanyu Patil

DMK: Miss. Dipali Madhav Kumbhar

AIT : Miss. Alisha Iqbal Tamboli

TBL : Tejaswi Bodhraj Lungase



(Signature)
Principal

K. N. Bhise Arts, Comm. & Vinayakrao
 Patil Science College,
 Vidyanagar Bhosare, Dist. Solapur

(Signature)

Head, Department of Chemistry
 KNBAC & VPS College, Bhosare.

K.N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare (Kurduwadi)

Department of Microbiology

Department Time Table Year 2021-2022

B.Sc. I Year (Sem. II)

Time	Mon	Tue	Wed	Thur	Fri	Sat
08.00 to 08.48				BTM (NDD)	FoM (MNM)	
09.36 to 10.24			BTM (NDD)			FoM (MNM)
10.24 to 11.12		MNM				

Practical 11.32 to 2.44

Subject	Mon	Tue	Wed	Thur	Fri	Sat
Microbiology	Batch-C (DBJ)				Batch-D (MNM)	Batch-E (SJJ)

Name of the Teachers	Name of the Paper
DBJ – Mr. Jadhav Deepak Bapurao	FoM-Fundamentals of Microbiology
SSJ – Ms. Jadhav Snehlata Jayvantrao	BTM- Basic Techniques in Microbiology
MNM-Ms. Mulani Minaj Noormohmad	MP- Microbial Physiology
KSR- Mr. Raut Kalidas Suresh	AM- Applied Microbiology


Head, Department of Microbiology
KNEAC & VPS College, Bhosare


I/c. Principal
K.N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur



**K.N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare (Kurduwadi)**

Department of Microbiology

Department Time Table Year 2021-2022

B.Sc. II Year (Sem IV)

Time	Mon	Tue	Wed	Thur	Fri	Sat
8.00 to 11.12 Practical	Batch- D3+C (SJJ)	Batch- D3+C (SJJ)	Batch- D1 (DBJ)	Batch- D1 (DBJ)	Batch- B+D2 (NDD)	Batch- B+D2 (NDD)
11.32 to 12.20	BG (SJJ)	BG (SJJ)				
01.08 to 01.56			BG (DBJ)	BC & P (DBJ)	BC & P (DBJ)	
01.56 to 02.44						BC & P (SJJ)

Name of the Teachers	Name of the Paper
NDD – Mr. Nitin Devidas Deshmukh	BG-Bacterial Genetics
KSR- Mr. Raut Kalidas Suresh	BC& P- Bacterial Cytology & Physiology
DBJ – Mr. Jadhav Deepak Bapurao	
SSJ – Ms. Jadhav Snehlata Jayvantrao	
MNM- Ms. Mulani Minaj Noormohmad	


 Head, Department of Microbiology
 KNBAC & VPS College, Bhosare


 I/c.Principal
 K.N.Bhise Arts, Commerce &
 Vinayakrao Patil Science College
 Vidyanagar Bhosare, Dist-Solapur

**K.N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare (Kurduwadi)**

Department of Microbiology

Department Time Table Year 2020-2021

B.Sc. III Year (VI Sem)


Time	Mon	Tue	Wed	Thur	Fri	Sat
08.30 to 09.30	(DBJ)	(NDD)	SJJ	MNM	(SJJ)	KSR
09.30 to 10.30	NDD	(DBJ)	MNM	SJJ	KSR	DBJ
10.30 to 11.30	NDD	MNM	Unit Test	Seminar	KSR	KSR

Practical 01.00 to 2.30

Subject	Mon	Tue	Wed	Thur	Fri	Sat
Microbiology 11.30 to 2.00		Batch-A/B (NDD)/ KSR	Batch-A/B (NDD /KSR)	Batch-A/B (DBJ/ SJJ)		

Name of the Teachers	Name of the Paper
DBJ – Mr. Jadhav Deepak Bapurao	Vir-Virology
SSJ – Ms. Jadhav Snehlata Jayvantrao	AM- Agricultural Microbiology
MNM- Ms. Mulani Minaj Noormohmad	IMM- Immunology
KSR- Mr. Raut Kalidas Suresh	IM- Industrial Microbiology-I
NDD- Mr. Nitin Devidas Deshmukh	MG-Microbial Genetics
	MB- Microbial Biochemistry
	EM- Environmental Microbiology
	CM- Clinical Microbiology


Head, Department of Microbiology
KNBAC & VPS College, Bhosare


I/c. Principal
K.N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist- Solapur

**K.N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare (Kurduwadi)**

Department of Microbiology

Department Time Table Year 2021-2022

B.Sc. I Year(I Sem)

Time	Mon	Tue	Wed	Thur	Fri	Sat
08.00 to 08.48				BTM (SJJ)	FoM (DBJ)	
09.36 to 10.24			BTM (SJJ)			FoM (DBJ)
10.24 to 11.12		MNM				

Practical 11.32 to 2.44

Subject	Mon	Tue	Wed	Thur	Fri	Sat
Microbiology	Batch-C (DBJ)				Batch-D (MNM)	Batch-E (SJJ)

Name of the Teachers	Name of the Paper
DBJ – Mr. Jadhav Deepak Bapurao	FoM-Fundamentals of Microbiology
SSJ – Ms. Jadhav Snehlata Jayvantrao	BTM- Basic Techniques in Microbiology
MNM-Ms. Mulani Minaj Noormohmad	MP- Microbial Physiology
KSR- Mr. Raut Kalidas Suresh	AM- Applied Microbiology


Head, Department of Microbiology
KNBAC & VPS College, Bho


I/c. Principal
K.N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur



**K.N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare (Kurduwadi)**

Department of Microbiology


Department Time Table Year 2021-2022

B.Sc. II Year (III Sem)

Time	Mon	Tue	Wed	Thur	Fri	Sat
8.00 to 11.12 Practical	Batch- D3+C (SJJ)	Batch- D3+C (SJJ)	Batch- D1 (DBJ)	Batch- D1 (DBJ)	Batch- B+D2 (NDD)	Batch- B+D2 (NDD)
11.32 to 12.20	BG (NDD)	BG (NDD)				
01.08 to 01.56			BG (NDD)	BC & P (KSR)/ (MNM)	BC & P (KSR)/ (MNM)	
01.56 to 02.44						BC & P (KSR)/ (MNM)

Name of the Teachers	Name of the Paper
NDD – Mr. Nitin Devidas Deshmukh	BG-Bacterial Genetics
KSR- Mr. Raut Kalidas Suresh	BC& P- Bacterial Cytology & Physiology
DBJ – Mr. Jadhav Deepak Bapurao	
SSJ – Ms. Jadhav Snehlata Jayvantrao	
MNM- Ms. Mulani Minaj Noormohmad	


**Head, Department of Microbiology
KNBAC & VPS College, Bhosare**


**I/c. Principal
K.N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur**

**K.N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare (Kurduwadi)**

**Department of Microbiology
Department Time Table Year 2020-2021
B.Sc. III Year (V Sem)**


Time	Mon	Tue	Wed	Thur	Fri	Sat
08.30 to 09.30	(NDD)	(DBJ)	SJJ	KSR	(SJJ)	DBJ
09.30 to 10.30	DBJ	(NDD)	MNM			
10.30 to 11.30	MNM	MNM	NDD	SJJ	KSR	KSR

Practical 01.00 to 2.30

Subject	Mon	Tue	Wed	Thur	Fri	Sat
Microbiology 11.30 to 2.00		Batch-A/B (NDD)/ KSR	Batch-A/B (NDD /KSR)	Batch-A/B (DBJ/ SJJ)		

Name of the Teachers	Name of the Paper
DBJ – Mr. Jadhav Deepak Bapurao	Vir-Virology
SSJ – Ms. Jadhav Snehlata Jayvantrao	AM- Agricultural Microbiology
MNM-Ms. Mulani Minaj Noormohmad	IMM- Immunology
KSR- Mr. Raut Kalidas Suresh	IM- Industrial Microbiology-I
NDD- Mr. Nitin Devidas Deshmukh	MG-Microbial Genetics
	MB- Microbial Biochemistry
	EM- Environmental Microbiology
	CM- Clinical Microbiology


**Head, Department of Microbiology
KNBAC & VPS College, Bhosare**


**I/c. Principal
K.N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur**

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare

Department of Mathematics

Time Table
(2021-22)

Sr. No.	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	8.00 a.m to 8.48a.m.			B.Sc.-II (Practical)	B.Sc.-II (Practical)		
2	8.48 a.m. to 9.36 a.m.						B.Sc.-I (Th)
3	9.36 a.m.to 10.24 a.m.			B.Sc.-I (Th)		B.Sc.-I (Th)	
4	10.24 a.m to 11.12a.m.		B.Sc.-I (Th)		B.Sc.-I (Th)		
5	11.32 a.m to 12.20 p.m	B.Sc.-I (Practical)	B.Sc.-I (Practical)	B.Sc.-II (Th)	B.Sc.-II (Th)		B.Sc.-II (Th)
6	12.20 p.m. to 1.08 p.m						
7	1.08 p.m. to 1.56 p.m.	B.Sc.-II (Th)	B.Sc.-II (Th)			B.Sc.-II (Th)	
8	1.56 p.m. to 2.44 p.m						

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(Mr. Shinde V.S.)

Alak

Principal

K.N.Bhise Arts, Commerce and Vinayakrao Patil
Science College, Vidyanagar Bhosare

**K.N. Bhise Arts, Commerce and Vinayakrao Patil Science
College, Vidyanagar, Bhosare (Kurduwadi)**


**Department of Zoology
Department Time Table Year 2021-2022
B.Sc. I Year**

Time	Mon	Tue	Wed	Thur	Fri	Sat
8.00 to 8.48						Zoology (SSK)
8.48 to 9.36						
9.36 to 10.24	Zoology (SSK)	Zoology (SSK)				
10.24 to 11.12				Zoology (SSK)	Zoology (SSK)	

Practical 11.32 to 2.44

Subject	Mon	Tue	Wed	Thur	Fri	Sat
Zoology	Zoology (SSK)	Zoology (SSK)				Zoology (SSK)


SSK – Dr. Somnath Sushant Kshirsagar


I/c. Principal
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Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

**K.N. Bhise Arts, Commerce and Vinayakrao Patil Science
College, Vidyanagar, Bhosare (Kurduwadi)**

Department of Zoology

Department Time Table Year 2021-2022

B.Sc. II Year

Time	Mon	Tue	Wed	Thur	Fri	Sat
8.00 to 11.12 Practical			Batch C(SSK)	Batch C (SSK)	Batch D(SSK)	Batch D(SSK)
11.32 to 12.20			Zoology (SSK) Theory	Zoology (SSK) Theory	Zoology (SSK) Theory	Zoology (SSK) Theory
12.20 to 1.08						
1.08 to 1.56	Zoology (SSK) Theory	Zoology (SSK) Theory				
1.56 to 2.44						

SSK - Dr. Somnath Sushant Kshirsagar

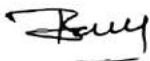


I/c. Principal
K.N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

**K.N. Bhise Arts, Commerce and Vinayakrao Patil Science
College, Vidyanagar, Bhosare (Kurduwadi)**

**Department of Zoology
Workload Chart Year 2021-2022**

Name of the Faculty	Class	Theory	Practical	Total
Dr.S.S.Kshirsagar	B.Sc. I	05	16	21
	B.Sc. II	06	16	22
				43


I/c.Principal
**K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College**
Vidyanagar Bhosare, Dist-Solapur


Madha Taluka Shikshan Prasarak Mandal's
**K.N.Bhise Arts, Commerce and Vinayakrao Patil
 Science College, Vidyanagar, Bhosare**

Department of Botany

Departmental Time Table

2021 - 2022

Time/Day	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8.00 – 11.12	S.Y. (Pract) AMG	S.Y. (Pract) AMG				
8.48 – 9.36						F.Y. (Th) AMG
9.36 – 10.24				F.Y. (Th) AMG	F.Y. (Th) AMG	
10.24 – 11.12	F.Y. (Th) ---		F.Y. (Th) AMG			
11.32 – 2.44			F.Y. (Pract) AMG	F.Y. (Pract) AMG		F.Y. (Pract) AMG
11.32 – 12.20			S.Y. (Th) ---	S.Y. (Th) ---	S.Y. (Th) AMG	S.Y. (Th) ---
12.20 – 1.08						
1.08 – 1.56	S.Y. (Th) AMG					
1.56 – 2.44		S.Y. (Th) AMG				


I/c.Principal
 K.N.Bhise Arts, Commerce &
 Vinayakrao Patil Science College
 Vidyanagar Bhosare, Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's
**K.N.Bhise Arts, Commerce and Vinayakrao Patil
Science College, Vidyanagar, Bhosare**

Department of Botany

Botany Department total Workload :

F.Y.B.Sc : Theory = 05

Practical (04 x 3) = 12

S.Y.B.Sc : Theory = 06

Practical (04 x 2) = 08

Total = 31

Workload Distribution:

Prof.Goyal A. M. : Total workload - 27


F.Y.B.Sc : Theory = 03

Practical (04 x 3) = 12

S.Y.B.Sc : Theory = 03

Practical (04 x 2) = 08

Total = 27

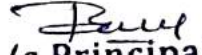

I/c.Principal
K.N.Bhise Arts,Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare,Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's
**K.N.Bhise Arts, Commerce and Vinayakrao Patil
Science College, Vidyanagar, Bhosare**

Department of Botany

Individual Time- table : Prof. Goyal A. M.(2020-21)


Time/Day	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8.00 – 11.12	S.Y. (Pract) AMG	S.Y. (Pract) AMG				
8.48 – 9.36						F.Y. (Th) AMG
9.36 – 10.24				F.Y. (Th) AMG	F.Y. (Th) AMG	
10.24 – 11.12			F.Y. (Th) AMG			
11.32 – 2.44			F.Y. (Pract) AMG	F.Y. (Pract) AMG		F.Y. (Pract) AMG
11.32 – 12.20					S.Y. (Th) AMG	
1.08 – 1.56	S.Y. (Th) AMG					
1.56 – 2.44		S.Y. (Th) AMG				


I/c.Principal
K.N.Bhise Arts,Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare,Dist-Solapur

**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science
College, Vidyanagar, Bhosare.**

**Department of Commerce
Departmental Time Table
Academic Year 2021-22**

Period No.	Time	Class	MON.	TUE.	WED.	TUR	FRI.	SAT.
1	08 to 8.48	B. Com.I	Mar. (SVM)	Mar. (SVM)	Mar. (SVM)	Eng. (PGS)	Eng. (PGS)	Eng. (PGS)
		B. Com.II	Banking (DMK)	Banking (DMK)	Banking (DMK)	ACC. (PKN)	ACC. (PKN)	ACC. (PKN)
		B. Com.III	ACC H (PKN)	ACC H (PKN)	ACC H (PKN)	Co-op. H (DMK)	Co-op. H (DMK)	Co-op. H (DMK)
2	08.48 to 9.36	B. Com.I	ACC (PKN)	ACC (PKN)	ACC (PKN)	Eco. (NAS)	Eco. (NAS)	Eco. (NAS)
		B. Com.II	F.E. (SCN)	F.E. (SCN)	F.E. (SCN)	Stat (SNC)	Stat (SNC)	Stat (SNC)
		B. Com.III	Eco. H (VBW)	Eco. H (VBW)	Eco. H (VBW)	M. Law (BRF) H (NNR)	M. Law (BRF) H (NNR)	M. Law (BRF) H (NNR)
3	9.36 to 10.24	B. Com.I	Geo. (VSJ)	Geo. (VSJ)	Geo. (VSJ)	PBM (SCN)	PBM (SCN)	PBM (SCN)
		B. Com.II	Eco. (NAS)	Eco. (NAS)	Eco. (NAS)	Eng. (PL)	Eng. (PL)	Eng. (PL)
		B. Com.III	MMP H (SCN)	MMP H (SCN)	MMP H (SCN)	ACC H (PKN)	ACC H (PKN)	ACC H (PKN)
10.24 To 10.35 Interval								
4	10.35 to 11.33	B. Com.I	Eco. (NAS)	ACC (PKN)	Geo. (VSJ)	Mar. (SVM)	Eng. (PGS)	PBM (SCN)
		B. Com.II	ACC. (PKN)	Eco. (NAS)	Banking (DMK)	Eng. (PL)	F.E. (SCN)	Stat (SNC)
		B. Com.III	M. Law (BRF) H (NNR)	MMP H (SCN)	ACC H (PKN)	ACC H (PKN)	Eco. H (VBW)	Co-op. H (DMK)


 H/c Principal
 K. N. Bhise Arts, Comm. & Vinayakrao
 Patil Science College,
 Vidyanagar Bhosare, Dist. Solapur

Name of the Teacher	Name of the Teacher
PKN - Mr. Prashant Kamalakar Narkhade	PL - Miss. Pooja Lokhande
SNC - Ms. Shridevi Nagnath Chandane	SVM – Mrs. Sarika Vishnudas Mohite
NAS - Mr. Nilesh Ashok Survase	VSJ - Mr. Vinay Sahebrao Jundale
NNR - Mrs. Nitanjali Nagnath Rajmane	PGS - MR. Prashant Gorakh Sawant
DMK - Mr. Dattatray Maruti Kadam	VBW – Mr. Vinod Baban Waghmare

Name of the Subjects		
B.COM - I	B.COM - II	B.COM - II
ENG - English(Compulsory)	ENG - English(Compulsory)	BRF - Business Regulatory Framework
ACC - Financial Accounting	ECO - Business Economics	ECO - Business Economics
PBM - Principles of Business Management	ACC - Corporate Accounting	CO- OP - Co-operative Development
ECO - Business Economics	F. E. - Fundamentals of Entrepreneurship	MMP - Modern Management Practices
MAR - Marathi	STAT - Business Statistics	ACC - Advanced Accountancy-I
GEO - Economic Commercial Geography	BANKING - Money and Financial System	ACC - Advanced Accountancy-II


 The Principal
 K. N. Bhise Arts, Comm. & Vinayakrao
 Patil Science College,
 Vidyanagar Bhosare, Dist. Solapur

1.1.1

The instruction ensure effective curriculum delivery through a well planned and documents process

Syllabus Completion Report

Index

Sr. No.	Name of the subject	Sub-File Name	Page No.
1	English	G	2
2	Hindi		6
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5	Marathi		13
6	Economics		15
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8	Chemistry		20
9	Microbiology		33
10	Mathematics		38
11	Zoology		39
12	Botany		40
13	Commerce		48

Dr Mrs Anupama Prakash Pol
Associate Professor, Head Dept. of English,
K. N. Bhise Arts Commerce & Vinayakrao
Patil Science College, Vidyanagar, Bhosare
Date:

To,
The Principal,
K. N. Bhise Arts Commerce & Vinayakrao
Patil Science College, Vidyanagar, Bhosare

Subject: Syllabus Completion Report (2021-22)

Dear Sir/ Madam,

With reference to the above-mentioned subject, I would like to bring to your notice that I have completed the syllabus of the following classes allotted to me as per the annual plan for the academic year 2021-22.

Sr. No.	Class	Name of the Paper
1.	B. A. I	English Optional
2.	B.A. II	Optional English Paper IV
3.	B. A. III	Special English Paper IX
4.	B. A. III	Special English Paper XI
5.	B. A. III	English Compulsory

Thanking you,

Yours sincerely



(Dr Mrs Anupama Prakash Pol)



I/c.Principal
K.N.Bhise Arts,Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare,Dist-Solapur

Dr Sachin Vaman Londhe
Assistant Professor, Dept. of English,
K. N. Bhise Arts Commerce & Vinayakrao
Patil Science College, Vidyanagar, Bhosare
Date:

To,
The Head,
Dept. of English,
K. N. Bhise Arts Commerce & Vinayakrao
Patil Science College, Vidyanagar, Bhosare

Subject: Syllabus Completion Report (2021-22)

Dear Sir/ Madam,

With reference to the above-mentioned subject, I would like to bring to your notice that I have completed the syllabus of the following classes allotted to me as per the annual plan for the academic year 2021-22.

Sr. No.	Class	Name of the Paper
1.	B. A. I	English Compulsory
2.	B.A. II	Optional English Paper III & V
3.	B. A. III	Special English Paper VII & XII
4.	B. A. III	Special English Paper X & XV
5.	B. Sc. III	English Compulsory

Thanking you,

Yours sincerely



(Dr. Sachin Londhe)



I/c.Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College,
Vidyanagar Bhosare, Dist-Solapur



Mr Prashant G. Sawant
Assistant Professor (CHB), Dept. of English,
K. N. Bhise Arts Commerce & Vinayakrao
Patil Science College, Vidyanagar, Bhosare
Date:

To,
The Head,
Dept. of English,
K. N. Bhise Arts Commerce & Vinayakrao
Patil Science College, Vidyanagar, Bhosare

Subject: Syllabus Completion Report (2021-22)

Dear Sir/ Madam,

With reference to the above-mentioned subject, I would like to bring to your notice that I have completed the syllabus of the following classes allotted to me as per the annual plan for the academic year 2021-22.

Sr. No.	Class	Name of the Paper
1.	B. A. III	Special English Paper VIII
2.	B.Com. I	English Compulsory
3.	B. Sc. I	English Compulsory

Thanking you,

Yours sincerely

(Mr Prashant Sawant)

Prashant
I/c.Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Miss Pooja Dattatray Lokhande
Assistant Professor (CHB), Dept. of English,
K. N. Bhise Arts Commerce & Vinayakrao
Patil Science College, Vidyanagar, Bhosare
Date:

To,
The Head,
Dept. of English,
K. N. Bhise Arts Commerce & Vinayakrao
Patil Science College, Vidyanagar, Bhosare

Subject: Syllabus Completion Report (2021-22)

Dear Sir/ Madam,

With reference to the above-mentioned subject, I would like to bring to your notice that I have completed the syllabus of the following classes allotted to me as per the annual plan for the academic year 2021-22.

Sr. No.	Class	Name of the Paper
1.	B. A. III	Special English Paper VIII
2.	B. A. II	English Compulsory
3.	B. Com. II	English Compulsory

Thanking you,

Yours sincerely

(Miss Pooja Dattatray Lokhande)


I/c. Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Dr.Salunkhe Manisha Namdeo,
Assistant Professor Dept. of Hindi
K. N. Bhise Arts ,commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

Date: 31-05-2022

To,
Principal
K. N. Bhise Arts, commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

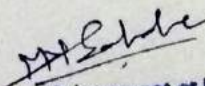
Subject: Syllabus Completion Report (2021-2022)
Dear Sir/Madam

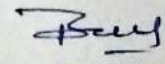
With Reference to the above mentioned subject, I would like to bring to you notice that I have completed the syllabus of the following classes allotted to me as per the annual plan for the academic year 2021-2022.

Sr.No.	Class	Name of the Paper
1	B.A. I	Sahitya Ratna
2	B.A. II	Madhyaugian Hindi Kavya
3	B.A.III	Vishesh Lekhak-Bhagwandas Morwal
4	B.A. III	Kavya Shasatra /Aalochana
5	B.A. III	Prayojanmulak Hindi/Vyavaharik Hindi
6	B.A. III	Rojagarparak Hindi

Thank You,

Dr. Salunkhe Manisha Namdeo


Head, Department of Hindi
KNBAC & VPS College, Bhosare


I/c.Principal
K.N.Bhise Arts,Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare,Dist-Solapur

Prof. Rokade Rohidas Pandit [CHB]
Asst Prof, Department. of Hindi
K. N. Bhise Arts, commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

Date: 30-05-2022

To,

HOD Department of Hindi
K. N. Bhise Arts, commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

Subject: Syllabus Completion Report (2021-2022)

Dear Sir/Madam

With Reference to the above mentioned subject, I would like to bring to you notice that I have completed the syllabus of the following classes allotted to me as per the annual plan for the academic year 2021-2022

Sr.No.	Class	Name of the Paper
1	B.A.II	Adunik Gadhya
2	B.A. III	Hindi Sahitya ka Etiyhas
3	B.A. III	Bhashavigan

Thank You

Prof. Rokade Rohidas Pandit [CHB]

R.H. Rokade
Head, Department of Hindi
K.N.B.A.C. & V.P.S. College, Bhosare

Bay
I/c. Principal
K.N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist. Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar Bhosare
Taluka-Madha Dist-Solapur

Mr. Bappasaheb Ramling Shejul
Assistant professor, Dept. of History
K.N. Bhise Arts, Commerce and Vinayakrao
Patil Science College, Vidyanagar, Bhosare

Date: 30-06-2022

To,
Head of the Department
Department of History
K. N. Bhise Arts, commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

Subject: Syllabus Completion Report (2021-2022)

Dear Sir/Madam

With Reference to the above mentioned subject, I would like to inform you that I have completed the syllabus of the following courses allotted to me as per the annual plan for the Academic year 2021-2022

Sr.No.	Class	Name of the Paper
1	BA-I	Chhatrapati Shivaji and His Times (1600 AD To 1707AD)
2	B.A. II	History of Indian Freedom Movement (1857 to 1950 AD)
3	B.A.III	Mughal India(1526 To 1707AD)
4	B.A. III	Expansion and downfall of Maratha Power (1707 To 1818 AD)
5	B.A. III	Modern World (1870 To 2000 AD)

Thank You


shejul B.R.


Head, Department of History
K.N.B.A.C & V.P.S College, Bhosare.


I/c. Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar Bhosare
Taluka- Madha Dist-Solapur

Prof. Pantulwar Ramappa Gangadharappa
Assistant professor, HoD . Dept. of History
K. N. Bhise Arts, commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

Date: 30-6-2022

To,
Respected Principal
K. N. Bhise Arts, commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

Subject: Syllabus Completion Report (2021-2022)

Dear Sir/Madam

With Reference to the above mentioned subject, I would like to inform you that I have completed the syllabus of the following courses, allotted to me as per the annual plan for the academic year 2021-2022

Sr. No.	Class	Name of the Paper
1	B.A. I	Chhatrapati Shivaji Maharaj and His Times (1600-1707 A.D.)
2	B.A. II	Modern Europe (1750 To 1871)
3	B.A. II	History of Social Reformers of Maharashtra
4	B.A. III	Ancient India (Pre Historic Age to 650 AD)
5	B.A. III	Historical Sources, Research and Places

Thank You


Head, Department of History
KNBAC & VPS College, Bhosare.


I/c.Principal
K.N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Report

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar Bhosare
Taluka- Madha Dist-Solapur

Dr. Nagare Vikas Bhaupatil
Assistant Professor,
HoD . Dept. of Geography
K. N. Bhise Arts ,commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

To,
Respected Principal
K. N. Bhise Arts, commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

Date: 30-06-2022

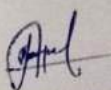
Subject: Syllabus Completion Report (2021-2022)

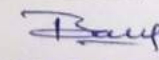
Dear Sir/Madam

With Reference to the above-mentioned subject, I would like to bring to you notice that I have completed the syllabus of the following classes allotted to me as per the annual plan for the academic year 2021-2022.

Sr. No.	Class	Sem	Paper No	Name of the Paper
1	B.A. I	I	1	Geomorphology
2	B.A. I	II	2	Human Geography
3	B.A. II	III	4	Climatology
4	B.A. II	IV	5	Economic Geography
5	B.A. III	V	7	Regional Geography
6	B.A. III	VI	10	Geography of Thought
7	B.A. III	VI	01	Practical Geography 2
8	B.Sc. I	I	01	Geomorphology
9	B.Sc. I	II	03	Human Geography
10	B.Sc. I	II	01	Practical Geography 01
11	B.Sc. II	IV	03	Practical Geography 2

Thank You


Head, Department of Geography


I/c. Principal
K.N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar Bhosare
Taluka- Madha Dist-Solapur

Dr. Patil Ranjeet R.
Assistant Professor,
K. N. Bhise Arts, commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

Date: 30-06-2022

To,
Respected Principal
K. N. Bhise Arts, commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

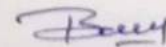
Subject: Syllabus Completion Report (2021-2022)

Dear Sir/Madam

With Reference to the above-mentioned subject, I would like to bring to you notice that I have completed the syllabus of the following classes allotted to me as per the annual plan for the academic year 2021-2022.

Sr. No.	Class	Sem	Paper No	Name of the Paper
1	B.Sc. I	I	02	Geomorphology
2	B.Sc. I	II	04	Human Geography
3	B.Sc. I	II	02	Practical Geography 02
4	B.Sc. II	III	05	Geography of India
5	B.Sc. II	III	06	Climatology
6	B.Sc. II	IV	07	Economic Geography
7	B.Sc. II	IV	08	Environmental Geography
8	B.Sc. II	IV	04	Practical Geography 04
9	B.A. III	V	P-I	Practical Geography 1

Thank You



I/c.Principal
K.N.Bhise Arts,Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare,Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar Bhosare
Taluka- Madha Dist-Solapur

Miss. Khare A.A.
Assistant Professor,
K. N. Bhise Arts, commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

Date: 30-06-2022

To,
Respected Principal
K. N. Bhise Arts, commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

Subject: Syllabus Completion Report (2021-2022)

Dear Sir/Madam

With Reference to the above-mentioned subject, I would like to bring to you notice that I have completed the syllabus of the following classes allotted to me as per the annual plan for the academic year 2021-2022.

Sr. No.	Class	Sem	Paper No	Name of the Paper
1	B.com	I	1	Commercial Geography
2	B.com	II	2	Marketing Geography
3	B.A. II	III	4	Geography of India
4	B.A. II	IV	6	Environmental Geography
5	B.A. III	V	9	Population Geography
6	B.A. III	VI	12	Social Geography

Thank You

B. Khare

I/c.Principal
K.N.Bhise Arts,Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare

Dr. Kamble Prakash Sadashiv
Assistant Professor Dept. of Marathi
K. N. Bhise Arts, Commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

Date: 27-05-2022

To,
Principl.
K. N. Bhise Arts, Commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare


Subject: Syllabus Completion Report (2021-2022)

Dear Sir/Madam,

With Reference to the above mentioned subject, I would like to bring to you notice that I have completed the syllabus of the following classes allotted to me as per the annual plan for the academic year 2021-2022

Sr.No.	Class	Name of the Paper
1	B.A. II	साहित्यरंग
2	B.A. III	मेतु कवितासंग्रह
3	B.A. III	भाषाविज्ञान आणि व्याकरण
4	B.A. III	आधुनिक मराठी साहित्यातील विविध प्रवाह

Your sincerely


Dr. Kamble Prakash Sadashiv
I/c. Principal
K. N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare

Syllabus Completion Letter (2021-2022)

Prof. Dr. Mohite Sarika Vishnudas,
Assistant Professor Dept. of Marathi

K.N.Bhise Arts,commerce
and Vinayakrao Patil Science
College, Vidyanagar, Bhosare.

Date: 20-05-2022

To,
HOD,
Department of Marathi
K. N. Bhise Arts, commerce and Vinayakrao
Patil Science College, Vidyanagar, Bhosare.

Subject : Syllabus Completion Report (2021-2022)

Dear Sir/Madam,

With Reference to the above mentioned subject, I would like to bring to you notice that I have completed the syllabus of the following classes allotted to me as per the annual plan for the academic year 2021-2022

Sr.No.	Class	Name of the Paper
1	B.A. II	पेपर नं -III कादंबरी ब्रह्ममय प्रकार आणि उपयोजित मराठी पेपर नं -V ललित गद्य व उपयोजित मराठी
2	B.A.III	साहित्यशास्त्र
3	B.A. III	मध्ययुगीन मराठी ब्रह्ममायचा इतिहास
4	B.A. III	उपयोजित मराठी
5	B. Com I	साहित्यदर्पण

Thanking you


I/c.Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solan

Madha Taluka Shikshan Prasark Mandal's
**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.**

Prof. Waghmare V.B.
Assistant Professor
Department of Economics,
K. N. Bhise Arts, Commerce and
Vinayakrao Patil Science College,
Vidyanagar, Bhosare.

To,
Respected Principal,
K. N. Bhise Arts, Commerce and
Vinayakrao Patil Science College,
Vidyanagar, Bhosare.

Subject: Syllabus Complication Report (2021-22)

Respected,


Sir / Madam,

With the reference to the mentioned Subject, I would like to bring to your notice that I have completed the syllabus of following classes allotted to me as per annual plan for the academic year 2021-22.

Sr. No.	Class	Name of the Paper
1.	B.A. I	Indian Economy II
2.	B.A. II	Money Banking and Public Finance
3.	B.A III	Micro Economics
4.	B.A. III	Agricultural Economics

Thanking you,


(Prof. Waghmare V.B.)


I/c. Principal
**K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College**
Vidyanagar Bhosare, Dist-Solapur

Madha Taluka Shikshan Prasark Mandal's
**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.**

Dr. Survase Nilesh A.
Assistant Professor
Department of Economics,
K. N. Bhise Arts, Commerce and
Vinayakrao Patil Science College,
Vidyanagar, Bhosare.

To,
Principal,
K. N. Bhise Arts, Commerce and
Vinayakrao Patil Science College,
Vidyanagar, Bhosare.

Subject: Syllabus Completion Report (2021-22)

Respected,

Sir / Madam,

With the reference to the mentioned Subject, I would like to bring to your notice that I have completed the syllabus of following classes with workload allotted to me as per annual plan for the academic year 2021-22.

Sr. No.	Class	Name of the Paper
1.	B.A. III	History of Economic Thought
2.	B.Com. I	Business Economics I
3.	B.Com. II	Money & Financial System

Thanking you,


(Dr. Survase Nilesh A.)

Copy to -

Head of Department (Economics)


**Head, Department of Economics
KNBAC & VPS College, Bhosare.**


**I/c. Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur**

Madha Taluka Shikshan Prasark Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.

Dr. Kadam Dattatraya M.
Assistant Professor
Department of Economics,
K. N. Bhise Arts, Commerce and
Vinayakrao Patil Science College,
Vidyanagar, Bhosare.

To,
Principal,
K. N. Bhise Arts, Commerce and
Vinayakrao Patil Science College,
Vidyanagar, Bhosare.

Subject: Syllabus Completion Report (2021-22)

Respected,

Sir / Madam,

With the reference to the mentioned Subject, I would like to bring to your notice that I have completed the syllabus of following classes allotted to me as per annual plan for the academic year 2021-22.

Sr. No.	Class	Name of the Paper
1.	B.A. III	Macro Economics
2.	B.A.II	Demographic Study
3.	B.Com. III	Co-Operative Development

Thanking you,


(Dr. Kadam D. M.)

Copy to -

Head of Department (Economics)


Head, Department of Economics
KNBAC & VPS College, Bhosare.


I/c. Principal
K.N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Madha Taluka Shikshan Prasark Mandal's
**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.**

Dr. Raut Asmita P.
Assistant Professor
Department of Economics,
K. N. Bhise Arts, Commerce and
Vinayakrao Patil Science College,
Vidyanagar, Bhosare.

To,
The Head,
Department of Economics
K. N. Bhise Arts, Commerce and
Vinayakrao Patil Science College,
Vidyanagar, Bhosare.

Subject: Syllabus Complication Report (2021-22)

Respected,

Sir / Madam,

With the reference to the mentioned Subject, I would like to bring to your notice that I have completed the syllabus of following classes allotted to me as per annual plan for the academic year 2021-22.

Sr. No.	Class	Name of the Paper
1.	B.A. III	Economics of Development
2.	B.Com. II	Business Economics II
3.	B.Com. III	Business Economics III

Thanking you,


(Dr. Raut Asmita P.)

Copy to.

Head of Department



I/c. Principal
**K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College**
Vidyanagar Bhosare, Dist-Solapur

**K. N. Bhise Arts, Commerce and Vinayakrao Patil
Science College, Vidyanagar, Bhosare**
Taluka-Madha. Dist- Solapur

Dr. Ajinkya M More
Department of Physics
K. N. Bhise Arts, Commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare
Date: 20/03/2022

To,
The Pro. Principal,
K. N. Bhise Arts, Commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare


Subject:- Syllabus Completion Report (2021-2022)

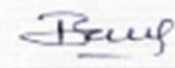
Dear Sir,

With reference to the above-mentioned subject, I would like to bring to you notice that I have completed the syllabus of the following classes allotted to me as per the annual plan for the academic year (2021-2022)

Sr. No.	Class	Name of the Paper	Practical
1	B.Sc. I	1. Optics and Lasers (Sem-I) Theory	Full Course of one batch
2	B.Sc. I	Optics and Lasers, General Physics (Sem-I & II)	Practical course I & II
3	B.Sc. II	1. Optics (Sem – IV) Theory 2. Modern Physics	Full Course of one batch
4	B.Sc. II	Optics, General Physics	Practical course I & II
5	B.Sc. III	1. Solid State Physics (Sem-V) Theory 2. Material Science (Sem – VI) Theory	Practical course I & II
6	B.Sc. III	General Physics, Optics , Instrumentation, Project	Practical course I III, VI

Thanking You.


Head, Department of Physics
KNBAC & VPS College, Bhosare.


I/c.Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.
Department of Chemistry**

**Syllabus Completion Report
Year-2021-22**

Name of the teacher: Mrs. Vandana Sandipan Shinde

Subject: Inorganic Chemistry

Title of the paper and number: Inorganic Chemistry, Paper No. II

Class: B.Sc. I

Semester: I

Month	Week	Topics to be covered	Remarks
October-2021	First and second	Atomic Structure and Periodic properties	Completed
November	Fourth	Chemical Bonding and Ionic Solids	
December	First	Chemical bonding and Ionic Solids	Completed
January	First	Covalent Bonding : VBT Approach	Completed
February	First -second	Covalent Bonding: MOT Approach	Completed
March	First	Covalent Bonding: MOT	
October- April	One practical in each week	B.Sc. I	Completed


Teacher


Head

**Head, Department of Chemistry
KNBAC & VPS College, Bhosare.**


**Principal
I/c.Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur**

**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.
Department of Chemistry**

**Syllabus Completion Report
Year- 2021-22**

Name of the teacher: Mrs. Vandana Sandipan Shinde

Subject: Inorganic Chemistry

Title of the paper and number: Inorganic Chemistry, Paper No. X

Class: B.Sc. III

Semester: V

Month	Week	Topics to be covered	Remarks
September	Start on first	Metal-Ligand bonding in transition metal complexes	Completed
October	Start on First	Nuclear Chemistry	Completed
December	Start on First	Catalysis	Completed
December	Start on Second	Bioinorganic chemistry	Completed
January	First-Fourth	Fertilizers	Completed
February	First	Skill based Course Chemistry of Life	
October-January	One practical in each week		Completed


Teacher


Head

Head, Department of Chemistry
KNBAC & VPS College, Bhosare.


Principal
I/c. Principal

K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.
Department of Chemistry**

**Syllabus Completion Report
Year-2021-22**

Name of the teacher: Mrs. Vandana Sandipan Shinde

Subject: Inorganic Chemistry

Title of the paper and number: Inorganic Chemistry, Paper No. IV

Class: B.Sc. I

Semester: II

Month	Week	Topics to be covered	Remarks
April-2022	First-Fourth	Physical Properties of Liquids	Completed
May	First-Fourth	Qualitative and Quantitative chemical analysis, Petroleum and Petrochemicals	Completed
June	First - Second	Environmental Chemistry: Water Pollution and Air Pollution	Completed
April- June	One practicals in each week		Completed


Teacher


Head


I/c. Principal

Head, Department of Chemistry K.N.Bhise Arts, Commerce &
KNBAG & VPS College, Bhosare. Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.
Department of Chemistry**

**Syllabus Completion Report
Year- 2021-22**

Name of the teacher: Mrs. Vandana Sandipan Shinde

Subject: Inorganic Chemistry


Title of the paper and number: Inorganic Chemistry, Paper No. XIV

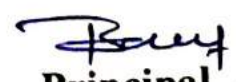
Class: B.Sc. III

Semester: VI

Month	Week	Topics to be covered	Remarks
April-2022	First-four	Metal and Semiconductors	Completed
May	First-Second	Structural Chemistry	Completed
May	Second-Fourth	Study of f-block elements	Completed
June	First-Second	Corrosion and passivity	Completed
February-June	First-second	Skill based Course Chemistry of Life, Subject related Certificate Course water Analysis,	Completed
April-June	First April-second June	One practicals in each week	Completed


Teacher


Head
**Head, Department of Chemistry
KNBAC & VPS College, Bhosare.**


Principal
I/c. Principal
**K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur**

**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.
Department of Chemistry**

**Syllabus Completion Report
Year- 2021-22**

Name of the teacher: Mrs. Vandana Sandipan Shinde

Subject: Inorganic Chemistry


Title of the paper and number: Chemistry, Practical Course

Class: B.Sc. II

Semester: III & IV

Month	Week	Topics to be covered	Remarks
October- January	First- Forth	One practicals in each week	Completed
March- June	First- Second	One practicals in each week	Completed


Teacher


Head
**Head, Department of Chemistry
KNBAC & VPS College, Bhosare.**


Principal
I/c.Principal
**K.N.Bhise Arts,Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare,Dist-Solapur**



Madha Taluka Shikshan Prasarak Mandal's

**K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL
SCIENCE COLLEGE, VIDYANAGAR, BHOSARE**

**Syllabus Completion Report
(2021-2022)**

Name of the teacher: Mr. M. M. Patil

Subject: Chemistry

Title of the paper and No.: Physical Chemistry, Paper - I

Class: B.Sc. I

Semester: I

Month	Week	Topics to be Covered	Remarks
October	First-Fourth	Chemical Kinetics	-
December	First	Chemical Kinetics	Completed
	Second-Fourth	Mathematical Concept	Completed
January	First-Third	Thermodynamics	Completed
	Fourth	Gaseous State	-
February	First- Second	Gaseous State	Completed
October- February	One practical in each week	B.Sc.- I	Completed
October- February	One practical in each week	B.Sc.- II	Completed

M.M. Patil
(M.M. Patil) Teacher

[Signature]
Head

Head, Department of Chemistry
KNBAC & VPS College, Bhosare.

[Signature]
I/c. Principal
K.N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

**K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL
SCIENCE COLLEGE, VIDYANAGAR, BHOSARE**

**Syllabus Completion Report
(2021-2022)**

Name of the teacher: Mr. M.M.Patil

Subject: Chemistry

Title of the paper and No.: Organic Chemistry, Paper - III

Class: B.Sc. I

Semester: II

Month	Week	Topics to be Covered	Remarks
April	First-Second	Fundamentals of Organic Reaction Mechanism	Completed
April	Third-Fourth	Structure and Bonding	Completed
May	First-Third	Stereochemistry of Organic compounds	
May	Fourth	Cycloalkane	Completed
June	First-Second	Aromaticity and Benzene	Completed
June	Third-Fourth	Alkenes, Dienes and Alkynes	
April- June	One practical in each week	B.Sc.- I	Completed
April- June	One practical in each week	B.Sc.- II	Completed

M.M. Patil
(Patil M.M.)
Teacher

[Signature]
Head

Head, Department of Chemistry
KNBAC & VPS College, Bhosare.

[Signature]
i/c. Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

**K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL
SCIENCE COLLEGE, VIDYANAGAR, BHOSARE**

**Syllabus Completion Report
(2021-2022)**

Name of the teacher: Mr. M. M. Patil

Subject: Chemistry

Title of the paper and No.: Physical Chemistry, Paper - IX

Class: B.Sc. III

Semester: V

Month	Week	Topics to be Covered	Remarks
September	First-Fourth	Photochemistry	Completed
October	First-Fourth	Electromotive Force	Completed
December	Third-Fourth	Phase Equilibria	Completed

M. M. Patil
(M. M. Patil)
Teacher

[Signature]
Head

Head, Department of Chemistry
KNBAC & VPS College, Bhosare.

[Signature]
Principal
I/c. Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

**K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL
SCIENCE COLLEGE, VIDYANAGAR, BHOSARE**

**Syllabus Completion Report
(2021-2022)**

Name of the teacher: Mr. M. M. Patil

Subject: Chemistry

Title of the paper and No.: Physical Chemistry, Paper - XIII

Class: B.Sc. III

Semester: VI

Month	Week	Topics to be Covered	Remarks
March	Fourth	Spectroscopy	-
April	First-Second	Spectroscopy	Completed
	Third- Fourth	Solutions	-
May	First	Solutions	Completed
	Second- Fourth	Chemical Kinetics	-
June	First-Second	Chemical Kinetics	Completed
April- June	One practical in each week	B.Sc.- III	Completed

M. M. Patil
(Prof. Patil M. M.)
Teacher.

Sudhakar
Head, Department of Chemistry
KVBAC & VPS College, Bhosare.

B. M. Patil
I/c. Principal
K.N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's

**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare**

Syllabus Completion Report

(2021-2022)

Name of the teacher: Mr. Shankar P. Phulwale

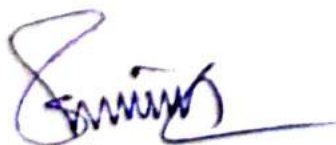
Subject: Chemistry


Title of the paper and No.: Organic Chemistry, Paper-XI

Class: B. Sc. III

Semester: V

Month	Week	Topics to be Covered	Remarks
September	First- Third	Organic Synthesis Via Enolates	Completed
	Fourth	Name Reactions	-
October	First	Name Reactions	Completed
	Second, Third	Spectroscopic Methods- IR	Completed
December	Fourth	Spectroscopic Methods- NMR	-
	First-Third	Spectroscopic Methods- NMR	Completed
	Fourth	Spectroscopic Methods- Mass	-
January	First	Spectroscopic Methods- Mass	Completed


Teacher


Head
Head, Department of Chemistry
K.N.BAC & VPS College, Bhosare.


Principal
I/c.Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's
**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare**

**Syllabus Completion Report
(2021-2022)**

Name of the teacher: Mr. Shankar P. Phulwale

Subject: Chemistry

Title of the paper and No.: Organic Chemistry, Paper-XV

Class: B. Sc. III

Semester: VI

Month	Week	Topics to be Covered	Remarks
March	Fourth	Heterocyclic Compounds	-
April	First, Second	Heterocyclic Compounds	Completed
	Third, Fourth	Carbohydrates	-
May	First	Carbohydrates	Completed
	Second- Fourth	Vitamin and Hormones	Completed
June	First, Second	Synthetic dyes	Completed
November- February	One Practical in each week	B.Sc.- III	Completed


Teacher


Head
Head, Department of Chemistry
KNBAC & VPS College, Bhosare.


Principal
I/c. Principal
K.N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's

**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare**

Syllabus Completion Report

(2021-2022)

Name of the teacher: Mr. Shankar P. Phulwale


Subject: Chemistry


Title of the paper and No.: Organic Chemistry, Paper-V

Class: B. Sc. II

Semester: III

Month	Week	Topics to be Covered	Remarks
September	First- Third	Aldehydes and Ketones	Completed
	Fourth	Alcohols and Phenols	-
October	First and Second	Alcohols and Phenols	Completed
	Third, Fourth	Ultraviolet Spectroscopy	Completed
December	First, Second	Stereochemistry	Completed
	Third	Diazonium Salts	Completed
	Fourth	Ethers and Epoxides	Completed
January	First	Carboxylic acids	Completed


Teacher


Head
Head, Department of Chemistry
KNBAC & VPS College, Bhosare.


Principal
K.N.Bhise Arts, Commerce &
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Vidyanagar Bhosare, Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's

**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare**

Name of the teacher: Mr. Shankar P. Phulwale

Subject: Chemistry

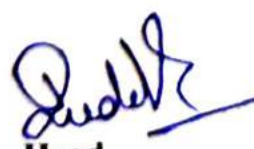
Title of the paper and No.: Physical Chemistry, Paper-VII


Class: B. Sc. II

Semester: IV

Month	Week	Topics to be Covered	Remarks
March	Fourth	Electrochemistry	-
April	First- Third	Electrochemistry	Completed
	Fourth	Thermodynamics	-
May	First, Second	Thermodynamics	Completed
	Third, Fourth	The Solid State	-
June	First	The Solid State	Completed
	Second	The Solid State	Completed
October- June	Two Practicals in every week	B.Sc.- II	Completed


Teacher


Head
Head, Department of Chemistry
KNBAC & VPS College, Bhosare.


I/c. Principal
K.N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare
Taluka-Madha, Dist- Solapur

Mr. Jadhav D. B.
Department of Microbiology
K. N. Bhise Arts, Commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

Date: 14-06-2021

To,
Principal,
K. N. Bhise Arts, Commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

Subject:- Syllabus Completion Report (2021-2022)

Dear Sir/Madam

With Reference to the above mentioned subject, I would like to bring to you notice that I have completed the 100 Percent syllabus of theory and practical the following classes allotted to me as per the annual plan for the academic year (2021-2022)

Sr.No.	Class	Name of the Paper	Percentage of Syllabus Completion	Practical	Percentage of Syllabus Completion
1	B.Sc. I	Fundamentals of Microbiology	100%	Practical Course I and II	100%
2	B.Sc. II	Bacterial Cytology and Physiology	100%	Practical Course III and IV	100%
3	B.Sc. III	Virology	100%	Practical Course V	100%
4	B.Sc. III	Environmental Microbiology	100%	Practical course V	100%

Thanking You

Copy to Head,


Teacher in Charge


Head of the Department
Head, Department of Microbiology
KNBAC & VPS College, Bhosare


I/c. Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare
Taluka-Madha. Dist- Solapur

Ms. Minaj. N. Mulani
Department of Microbiology
K. N. Bhise Arts, Commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

Date: 14-06-2021

To,
Principal,
K. N. Bhise Arts, Commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

Subject:- Syllabus Completion Report (2021-2022)

Dear Sir/Madam

With Reference to the above-mentioned subject, I would like to bring to you notice that I have completed the 100 Percent syllabus of theory and practical the following classes allotted to me as per the annual plan for the academic year (2021-2022)

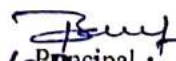
Sr.No.	Class	Name of the Paper	Percentage of Syllabus Completion	Practical	Percentage of Syllabus Completion
1	B.Sc. I	Applied Microbiology	100%	Practical course B.Sc. I	100%
2	B.Sc. III	Agricultural Microbiology	100%	-	-

Thanking You

Copy to Head,

Teacher in Charge


Head of the Department
Department of Microbiology
KNBAC & VPS College, Bhosare


I/c Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur



Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare
Taluka-Madha. Dist- Solapur

Dr. Deshmukh N. D:
Head & Assistant Professor,
Department of Microbiology,
K. N. Bhise Arts, Commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

Date: 22-06-2022

To,
The Principal,
K. N. Bhise Arts, Commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

Subject: - Syllabus Completion Report (2021-2022)

Dear Sir/Madam

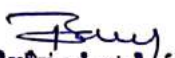
With Reference to the above-mentioned subject, I would like to bring to you notice that I have completed the 100 Percent syllabus of theory and practical of the following classes allotted to me as per the annual plan for the academic year (2021-2022)

Sr.No.	Class	Semester	Name of the Paper	Percentage of Syllabus Completion	Practical	Percentage of Syllabus Completion
1	B.Sc. I	II	Microbial Physiology	100%		100%
2	B.Sc. II	III	Bacterial Genetics	100%	Practical Course III and IV	100%
3	B.Sc. III	V	Immunology	100%	Practical Course VII	100%
4	B.Sc. III	VI	Microbial Biochemistry	100%	Practical course VII	100%

Thanking You.


Teacher in Charge


Head, Department of Microbiology
KNBAC & VPS College, Solapur


I/c. Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare
Taluka-Madha, Dist- Solapur

Mr. Jadhav S. J.
Department of Microbiology
K. N. Bhise Arts, Commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

Date: 14-06-2021

To,
Principal,
K. N. Bhise Arts, Commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

Subject:- Syllabus Completion Report (2021-2022)

Dear Sir/Madam

With Reference to the above mentioned subject, I would like to bring to you notice that I have completed the 100 Percent syllabus of theory and practical the following classes allotted to me as per the annual plan for the academic year (2021-2022)

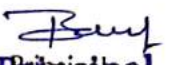
Sr.No.	Class	Name of the Paper	Percentage of Syllabus Completion	Practical	Percentage of Syllabus Completion
1	B.Sc. I	Microbial Techniques	100%	Practical Course I and II	100%
2	B.Sc. II	Immunology and clinical microbiology	100%	Practical Course III and IV	100%
3	B.Sc. III	Industrial microbiology	100%	Practical Course V	100%
4	B.Sc. III	Clinical Microbiology	100%	Practical course V	100%

Thanking You

Copy to Head,


Teacher in Charge


Head of the Department of Microbiology
KNBAC & VPS College, Bhosare


I/c. Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare
Taluka-Madha. Dist- Solapur

Mr. Raut K. S.
Department of Microbiology
K. N. Bhise Arts, Commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

Date: 14-06-2021

To,
Principal,
K. N. Bhise Arts, Commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare

Subject:- Syllabus Completion Report (2021-2022)

Dear Sir/Madam

With Reference to the above-mentioned subject, I would like to bring to you notice that I have completed the 100 Percent syllabus of theory and practical the following classes allotted to me as per the annual plan for the academic year (2021-2022)

Sr.No.	Class	Name of the Paper	Percentage of Syllabus Completion	Practical	Percentage of Syllabus Completion
1	B.Sc. II	Bacterial Cytology and Physiology	100%	-	-
2	B.Sc. III	Genetics	100%	Practical Course VII	100%

Thanking You

Copy to Head,


Teacher in Charge


Head of the Department
Head, Department of Microbiology
KNBAC & VPS College, Bhosare


Principal
I/c. Principal
K.N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist- Solapur

**Madha Taluka Shikshan Prasarak Mandal's
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.**

Mr. Shinde Vihar Shivaji
Assistant Professor,
Department of Mathematics
K. N. Bhise Arts, Commerce and Vinayakrao
Patil Science College, Vidyanagar, Bhosare
Date: 30/06/2022

To,
Principal,
K. N. Bhise Arts, Commerce and Vinayakrao
Patil Science College, Vidyanagar Bhosare.

Subject:- Syllabus Completion Report (2021-22)

Dear Sir/Madam

With Reference to the above mentioned subject, I would like to bring to you notice that I have completed the syllabus of the following classes allotted to me as per the annual plan for the academic year 2021-22

Sr. No.	Class	Name of the Paper
1	B.Sc.-I	Paper-I Algebra
2	B.Sc.-I	Paper-II Calculus
3	B.Sc.-I	Paper-III Geometry
4	B.Sc.-I	Paper-IV Differential Equations
5	B.Sc.-I	Numerical Technique Laboratory (NTL-I)
6	B.Sc.-II	Paper-V Differential Calculus
7	B.Sc.-II	Paper-VI Laplace Transforms
8	B.Sc.-II	Paper-VII Differential Equations
9	B.Sc.-II	Paper-VIII Abstract Algebra-I
10	B.Sc.-II	Numerical Technique in Laboratory (NTL-II A & NTL-II B)

Thanking You

Sign. of Teacher

(Prof. Shinde V.S.)

Head. of Department

I/c.Principal

**K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur**

Dr. Somnath S. Kshirsagar

Assistant Professor, Department of Zoology,

K. N. Bhise Arts and Commerce College,
Kurduwadi

Date:

To,

Principal and Head,

K. N. Bhise Arts and Commerce College, Kurduwadi

Subject: Syllabus Completion Report (2021-2022)

Dear Sir,

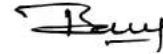
With reference to the above mentioned subject, I would like to bring to your notice that I have completed the syllabus of the following classes allotted to me as per the annual plan for the academic year 2021-2022

Sr. No.	Class		Name of the Paper
1.	B.Sc. Zoology	I	Semester I
2.	B.Sc. Zoology	I	Semester II
3.	B.Sc. Zoology	II	Semester III
4.	B.Sc. Zoology	II	Semester IV

Thanking you,

Yours sincerely

(Dr. Somnath S. Kshirsagar)



I/c. Principal
K.N. Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Madha Taluka ShikshanPrasarakMandal's
**K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL
SCIENCE COLLEGE, VIDYANAGAR, BHOSARE**

NAAC Re-accredited 'A' Grade
Paranda Road, Kurduwadi Tal-MadhaDist-Solapur Pin-413 208 (Maharashtra)

Syllabus Completion Report (2021 – 22)

Name of the teacher: Mr. AkashMadanlal Goyal


Subject: Botany


Title of the paper and No.: Paper – VIII :EMBRYOLOGY OF ANGIOSPERMS

Class:S.Y.B.Sc

Semester: III

Month	Week	Topics to be Covered	Remarks
Mar	Week 1	Unit 1: Structural organization of flower	
	Week 2	Unit 1: Structural organization of flower	
April	Week 1	Unit 2: Pollination and fertilization	Unit 1 Completed
	Week 2	Unit 2: Pollination and fertilization	
	Week 5	Unit 2: Pollination and fertilization	
May	Week 1	Unit 2: Pollination and fertilization	Unit 2 Completed
	Week 2	Unit 3: Embryo and Endosperm Development.	
June	Week 1	Unit 3: Embryo and Endosperm Development.	Unit 3 Completed
	Week 2	U nit 4: Seed and fruit dispersal	Unit 4 Completed


Teacher


Head


Principal
I/c.Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Madha Taluka ShikshanPrasarakMandal's
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SCIENCE COLLEGE, VIDYANAGAR, BHOSARE
NAAC Re-accruited 'A' Grade
Paranda Road, Kurduwadi Tal-MadhaDist-Solapur Pin-413 208 (Maharashtra)

Syllabus Completion Report (2021 – 22)

Name of the teacher: Mr. AkashMadanlal Goyal


Subject: Botany

Title of the paper and No.: Paper – VII :Plant Physiology

Class:S.Y.B.Sc

Semester: IV

Month	Week	Topics to be Covered	Remarks
Mar	Week 2	Unit 1: Plant response to light and temperature	
	Week 3	Unit 1: Plant response to light and temperature	
	Week 4	Unit 1: Plant response to light and temperature	Unit 1 Completed
April	Week 2	Unit 2:Translocation in phloem	
	Week 3	Unit 2:Translocation in phloem	
	Week 4	Unit 3 :Photosynthesis	Unit 2 Completed
May	Week 2	Unit 3 :Photosynthesis	
	Week 3	Unit 3 :Photosynthesis	
	Week 4	Unit 04 : Respiration	Unit 3 Completed
	Week 5	Unit 04 : Respiration	
June	Week 1	Unit 04 : Respiration	Unit 4 Completed
	Week 2	Unit 05 : photorespiration	Unit 5 Completed


Teacher


Head


Principal
K.N.Bhise Arts,Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare,Dist-Solapur

Madha Taluka ShikshanPrasarakMandal's
**K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL
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NAAC Re-accredited 'A' Grade
Paranda Road, Kurduwadi Tal-MadhaDist-Solapur Pin-413 208 (Maharashtra)

Syllabus Completion Report (2021 – 22)

Name of the teacher: Mr. AkashMadanlal Goyal

Subject: Botany

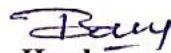
Title of the paper and No.:Paper – VI: Plant metabolism

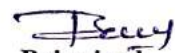
Class:S.Y.B.Sc

Semester: III

Month	Week	Topics to be Covered	Remarks
August	Week 4	Unit 1: Enzymes	
	Week 5	Unit 1: Enzymes	
September	Week 1	Unit 1: Enzymes	Unit 1 Completed
	Week 5	Unit 2: Nitrogen metabolism	
October	Week 1	Unit 2: Nitrogen metabolism	Unit 2 Completed
	Week 5	Unit 3: Plant growth regulators	
November	Week 1	Unit 3: Plant growth regulators	
	Week 2	Unit 3: Plant growth regulators	Unit 3 Completed
December	Week 3	Unit 4: Mineral nutrition	
	Week 4	Unit 4: Mineral nutrition	Unit 4 Completed
January	Week 2	Unit 5: Carbohydrate metabolism	
	Week 3	Unit 5: Carbohydrate metabolism	
	Week 4	Unit 5: Carbohydrate metabolism	Unit 5 Completed


Teacher


Head


Principal
I/c.Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Madha Taluka ShikshanPrasarakMandal's
**K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL
SCIENCE COLLEGE, VIDYANAGAR, BHOSARE**
NAAC Re-accredited 'A' Grade
Paranda Road, Kurduwadi Tal-MadhaDist-Solapur Pin-413 208 (Maharashtra)

Syllabus Completion Report (2021 – 22)

Name of the teacher: Mr. AkashMadanlal Goyal


Subject: Botany

Title of the paper and No.: Paper – V: Plant Anatomy


Class: S.Y.B.Sc

Semester: IV

Month	Week	Topics to be Covered	Remarks
August	Week 2	Unit 1: Meristematic tissue	
	Week 3	Unit 1: Meristematic tissue	
	Week 4	Unit 1: Meristematic tissue	Unit 1 Completed
September	Week 2	Unit 2. Permanent tissue:	
	Week 3	Unit 2. Permanent tissue:	
	Week 4	Unit 2. Permanent tissue:	Unit 2 Completed
October	Week 2	Unit 3. Primary structure of plant body.	
	Week 3	Unit 3. Primary structure of plant body.	
	Week 4	Unit 3. Primary structure of plant body.	Unit 3 Completed
November	Week 5	Unit 04 . . Secondary structure of plant body.	
December	Week 1	Unit 04 . . Secondary structure of plant body.	
	Week 2	Unit 04 . . Secondary structure of plant body.	Unit 4 Completed
	Week 5	Unit 5: Tissue system	
January	Week 1	Unit 5: Tissue system	Unit 5 Completed


Teacher


Head


Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Madha Taluka ShikshanPrasarakMandal's
**K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL
SCIENCE COLLEGE, VIDYANAGAR, BHOSARE**
NAAC Re-nccredited 'A' Grade
Paranda Road, Kurduwadi Tal-MadhaDist-Solapur Pin-413 208 (Maharashtra)

Syllabus Completion Report (2021 – 22)

Name of the teacher : Mr. AkashMadanlal Goyal

Subject : Botany

Title of the paper and No. : Paper- IV: Taxonomy of Angiosperms

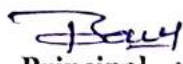
Class:F.Y.B.Sc

Semester: II

Month	Week	Topics to be Covered	Remarks
March	Week 1	Unit 1 : Introduction	Unit 1 Completed
	Week 2	Unit 2 : Classification	Unit 2 Completed
April	Week 1	Unit 3 : Identification and nomenclature	
	Week 2	Unit 3 : Identification and nomenclature	Unit 3 Completed
May	Week 1	Unit 4 : Herbarium and Botanical Garden	
	Week 2	Unit 4 : Herbarium and Botanical Garden	Unit 4 Completed
June	Week 5	Unit 5 : Study of Angiosperms families	
	Week 1	Unit 5 : Study of Angiosperms families	
	Week 2	Unit 5 : Study of Angiosperms families	Unit 5 Completed


Teacher


Head


Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

Madha Taluka ShikshanPrasarakMandal's
**K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL
SCIENCE COLLEGE, VIDYANAGAR, BHOSARE**
NAAC Re-accredited 'A' Grade
Paranda Road, Kurduwadi Tal-MadhaDist-Solapur Pin-413 208 (Maharashtra)

Syllabus Completion Report (2021 – 22)

Name of the teacher: Mr. AkashMadanlal Goyal

Subject: Botany

Title of the paper and No.:Paper No III :Plant Ecology

Class:F.Y.B.Sc

Semester: II

Month	Week	Topics to be Covered	Remarks
March	Week 3	Unit 1: Introduction	Unit 1 Completed
	Week 4	Unit-2 : Ecological Adaptation	
April	Week 3	Unit-2 : Ecological Adaptation	Unit 2 Completed
	Week 4	Unit 3 : Plant communities	
	Week 5	Unit 3 : Plant communities	
May	Week 3	Unit 3 : Plant communities	Unit 3 Completed
	Week 4	Unit 4 : Ecosystem	
	Week 5	Unit 4 : Ecosystem	Unit 4 Completed
June	Week 2	Unit 5 : Ecological succession	
	Week 3	Unit 5 : Ecological succession	Unit 5 Completed


Teacher


Head


Principal
I/c.Principal
K.N.Bhise Arts,Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare,Dist-Solapur

Madha Taluka ShikshanPrasarakMandal's
**K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL
SCIENCE COLLEGE, VIDYANAGAR, BHOSARE**

NAAC Re-accredited 'A' Grade
Paranda Road, Kurduwadi Tal-MadhaDist-Solapur Pin-413 208 (Maharashtra)

Syllabus Completion Report (2021 – 22)

Name of the teacher: Mr. AkashMadanlal Goyal

Subject: Botany

Title of the paper and No.:Paper-II: Fungi & Archegoniate

Class:F.Y.B.Sc

Semester: I

Month	Week	Topics to be Covered	Remarks
December	Week 1	Unit-1 Fungi	
	Week 2	Unit-1 Fungi	
	Week 3	Unit-1 Fungi	Unit 1 Completed
January	Week 1	Unit 2 Archegoniate	
	Week 2	Unit 2 Archegoniate	Unit 2 Completed
	Week 5	Unit 3 Bryophytes	
February	Week 1	Unit 3 Bryophytes	Unit 3 Completed
	Week 3	Unit 4 Pteridophytes	
	Week 4	Unit 4 Pteridophytes	Unit 4 Completed
March	Week 2	Unit 5 Gymnosperms	
	Week 3	Unit 5 Gymnosperms	Unit 5 Completed


Teacher


Head


Principal

I/c.Principal
K.N.Bhise Arts,Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare,Dist-Solapur

Madha Taluka ShikshanPrasarakMandal's
**K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL
SCIENCE COLLEGE, VIDYANAGAR, BHOSARE**
NAAC Re-accredited 'A' Grade
Paranda Road, Kurduwadi Tal-MadhaDist-Solapur Pin-413 208 (Maharashtra)

Syllabus Completion Report (2021 – 22)

Name of the teacher: Mr. AkashMadanlal Goyal

Subject: Botany

Title of the paper and No.: Paper No I: Microbiology and Phycology

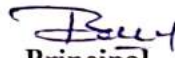
Class: F.Y.B.Sc

Semester: I

Month	Week	Topics to be Covered	Remarks
November	Week 5	Unit 1: Introduction of Microbiology	Unit 1 Completed
December	Week 3	Unit-2 Microbes	
	Week 4	Unit-2 Microbes	
	Week 5	Unit-2 Microbes	Unit 2 Completed
January	Week 2	Unit-3 Phycology	
	Week 3	Unit-3 Phycology	
	Week 4	Unit-3 Phycology	Unit 3 Completed
February	Week 2	Unit-4 Cyanophyta	
	Week 3	Unit-4 Cyanophyta	Unit 4 Completed
	Week 4	Unit-5 Chlorophyta	
March	Week 1	Unit-5 Chlorophyta	Unit 5 Completed


Teacher


Head


Principal
I/c.Principal
K.N.Bhise Arts, Commerce &
Vinayakrao Patil Science College
Vidyanagar Bhosare, Dist-Solapur

**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.**

Mr. Prashant Kamalakar Narkhade
Assistant Professor, Dept. of Commerce
K. N. Bhise Arts and Commerce College,
Kurduwadi
Date: - 31/05/2022

To,
The Head,
Dept. of Commerce
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.

Subject: Syllabus Completion Report for A. Y. 2021-22

Dear Sir / Madam,


With reference to the above mentioned subject. I would like to bring to your notice that I have completed the syllabus of the following classes allotted to me as per the annual plan for the Academic Year 2021-22.

Sr. No.	Class	Name of the Paper / Subject
1	B. Com. I	Financial Accounting
2	B. Com. II	Corporate Accounting
3	B. Com. III	Advanced Accountancy Paper - I
4	B. Com. III	Advanced Accountancy Paper - II

Thanking You,



Yours Sincerely,
(Mr. Prashant Kamalakar Narkhade)


I/c Principal
K. N. Bhise Arts, Comm. & Vinayakrao
Patil Science College,
Vidyanagar Bhosare, Dist. Solapur

**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.**

Dr. Shridevi Nagnath Chandane
Assistant Professor, Dept. of Commerce
K. N. Bhise Arts and Commerce College,
Kurduwadi
Date: - 21/05/2022

To,
The Head,
Dept. of Commerce
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.

Subject: Syllabus Completion Report for A. Y. 2021-22

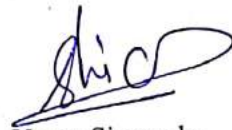
Dear Sir / Madam,

With reference to the above mentioned subject. I would like to bring to your notice that I have completed the syllabus of the following classes allotted to me as per the annual plan for the Academic Year 2021-22

3

Sr. No.	Class	Name of the Paper / Subject
1	B. Com. II	Principles of Business Managements
2	B. Com. II	Fundamentals of Entrepreneurship
3	B. Com. II	Business Statistics
4	B. Com. III	Modern Management Practices

Thanking You,



Yours Sincerely,
(Dr. Shridevi Nagnath Chandane)


I/c Principal
K. N. Bhise Arts, Comm. & Vinayakrao
Patil Science College,
Vidyanagar Bhosare, Dist. Solapur

**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.**

Adv. Mrs. Nitanjali Nagnath Rajmane
Assistant Professor, Dept. of Commerce
K. N. Bhise Arts and Commerce College,
Kurduwadi
Date: - 31/05/2022

To,
The Head,
Dept. of Commerce
K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare.

Subject: Syllabus Completion Report for A. Y. 2021-22

Dear Sir / Madam,

With reference to the above mentioned subject. I would like to bring to your notice that I have completed the syllabus of the following classes allotted to me as per the annual plan for the Academic Year 2021-22

Sr. No.	Class	Name of the Paper / Subject
1	B. Com. III	Business Regulatory Framework (BRF)

Thanking You,

Yours Sincerely
(Adv. Mrs. Nitanjali Nagnath Rajmane)


I/c Principal
K. N. Bhise Arts, Comm. & Vinayakrao
Patil Science College,
Vidyanagar Bhosare, Dist. Solapur

Madha Taluka Shikshan Prasarak Mandal's
**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare**

1.1.1

The instruction ensure effective curriculum delivery through a well planned and documents process

Question Bank

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2	Hindi		6
3	History		12
4	Geography		14
5	Marathi		21
6	Economics		25
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**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science
College, Bhosare**

Department of English

Question Banks and Notes

Sr. No.	Class	Paper Name	Link
1.	B. A. II	Paper V Introduction to Language	https://dr-sachin-londhe.blogspot.com/2021/04/b-ii-optional-english-introduction-to.html
2.	B. A. II	Paper III-British Literature	https://dr-sachin-londhe.blogspot.com/2021/01/question-bank-british-literature-b-ii.html
3.	B. A. III	Paper VII Introduction to Literary Criticism	https://dr-sachin-londhe.blogspot.com/2020/12/introduction-to-literary-criticism.html
4.	B. A. II	Paper III Opt. English (British Literature) Notes	https://dr-sachin-londhe.blogspot.com/2020/12/she-stoops-to-conquer-text-by-oliver.html
5.	B. A. II	B. A. II Features of Comedy of Manners-Notes	https://dr-sachin-londhe.blogspot.com/2020/10/features-comedy-of-manners-notes-b-i.html

**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science
College, Bhosare**

Department of English

Question Banks and Notes

6.	B. A. II	To His Coy Mistress by Andrew Marvell	https://dr-sachin-londhe.blogspot.com/2020/11/to-his-coy-mistress-by-andrew-marvell-b.html
7.	B. A. III	Tradition and The Individual Talent by T. S. Eliot	https://dr-sachin-londhe.blogspot.com/2020/04/tradition-and-individual-talent-by-t-s.html
8.	B. A. III	British Literature	https://drive.google.com/file/d/1PLlyGN00W14sUQOSBPPmfluSZztQfAqe/view?usp=sharing
9.	B. A. III	Introduction to the Structure and Function of Modern English	https://drive.google.com/file/d/1A0Lsy6XqucZO2RH46hym3QKK67ZV12v/view?usp=sharing
10.	B. A. III	Literatures in English	https://drive.google.com/file/d/1lchsR8Zuc2aV-rZeSOlla2EwLzd9xp3E/view?usp=sharing
11.	B. A. III	Introduction to Literary Criticism	https://drive.google.com/file/d/1lwBNtpksYCjgUyER6L2Phuz6vGJO1RQI/view?usp=sharing

**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science
College, Bhosare**

Department of English

Question Banks and Notes

12.	B. A. B. Com. B. Sc. I	English Compulsory (Sem I)	https://drive.google.com/file/d/1HbDnquIUqSKxDtI7vxuCOtHtOxAewqG5/view?usp=sharing
13.	B. A. B. Com. B. Sc. I	English Compulsory (Sem II)	https://drive.google.com/file/d/1PoHeZaMAhCehMiQoTlyec1EAoqoU24ZW/view?usp=sharing
14	B.A III	Introduction to the Structure and Function of Modern English	https://classroom.google.com/c/MTUzNjcwMTI2OTQw/p/MjQ5NzZM3MDAyNzI5/details
15	B.A III	English Compulsory	https://classroom.google.com/c/MTU5MTUyNTM3NDE3/p/MzEyMzA4NzQ0OTI4/details
16	B.A III	English Compulsory	https://classroom.google.com/c/NDgwNzM0MDYxMzZa/p/MjYxNTEzMTMzNjly/details
17	B.A III	English Compulsory	https://classroom.google.com/c/MTE4Nzg5MzU1MjMz/p/MjU5NjI1NDM2ODE3/details

**K. N. Bhise Arts, Commerce and Vinayakrao Patil Science
College, Bhosare**

Department of English

Question Banks and Notes

18	B. A. I	English Optional	https://docs.google.com/document/d/1v8x1f-bY..
19	B. A.II	English Compulsory	https://documentcloud.adobe.com/link/review?uri=urn:aaid:seds:US:93c092c2-8bb9-46ae-9288-22f740731c68
20	B.A.II	English Compulsory	https://documentcloud.adobe.com/link/review?uri=urn:aaid:seds:US:93c092c2-8bb9-46ae-9288-22f740731c68

APR

Head, Department of English
KNBAC & VPS College, Bhosare.

**K. N. BHISE ARTS, COMMERCE AND VINAYAKRAO PATIL SCIENCE
COLLEGE, BHOSARE**

Department of Hindi (2021-22)

Question bank

प्रतिनिधि कहानियाँ प्रश्नसंच -B.A.III

- १ भगवानदास मोरवाल की 'बस तुम न होते पिताजी' कहानी में पिताजी कीबरसी थी । चोथी
- २ पिताजी गुजरे साल हो गए । चार
- ३ पिताजी घर से लेकर मोहल्ले तक सिध्द हुए थे । रावण
- ४ भगवानदास मोरवाल के भाई का नाम था । जगन
- ५ 'बस तुम न होते पिताजी' कहानीके लेखकहै । भगवानदास मोरवाल
- ६ जगन को अपने पिता पहली बार दिखाई दे रहा था । अंगुलिमार
- ७ दस प्रतिनिधि कहानियाँ का प्रकाशन में हुआ । २०१४
- ८ पिताजी ने खारे कुए वाली जमीन को बेच दी । मूलक सिंह
- ९ सारे फसाद की जड़ तो वह थी । सवारी
- १० हारून सवारी चलाने का काम करता था उनका झगडा के साथ हुआ । रामसिंह
- ११ जुगल किशोर की दुकान का नुकसान हो गया । सुनार
- १२ झगडे में जुगल किशोर की दुकान का नुकसान ने किया । हारून
- १३ जुगल किशोर के सबसे छोटे बेटे का नाम था । रामकिशोर
- १४ हारून के माता पिता का नाम था । हमीदन और जमाल खा
- १५ जुगल किशोर की पत्नी का नाम था । चंद्रकला
- १६ जमाल खा ने साक्षीदार के रूप में को प्राथमिकता दी । चोधरी हमीद हुसेन
- १७ जमाल खा को पहली बार भारतीय पर आस्था निर्माण हुई । न्याय व्यवस्था
- 18 सोदा कहानीकी लिखी गयी कहानी है । भगवानदास मोरवाल
- १९ भगवानदास मोरवाल का लिखा उपन्यास है । शकुन्तिका

- २० काला पहाड (१९९९)का लिखा उपन्यास है । भगवानदास मोरवाल
- २१ दोपहरी चुप है (१९९०)का लिखा काव्यसंग्रह है । भगवानदास मोरवाल
- २२ नरक मसीहा (२०१४) का लिखा उपन्यास है । भगवानदास मोरवाल
- २३ रेत उपन्यास २००८ का लिखा उपन्यास है । भगवानदास मोरवाल
- २४ जुगल किशोर ने कुर्ते की जेब से रुपये निकालकर नगीना के हाथ में दिए । १५००
- २५ जमाल खा के पास गिरवी रखने के लिए दो जेवर थे एक बहु के गले में पड़ी चांदी की हंसिनी तथाके पावों में पड़ी डेढ़ पाव की कड़ीयों की । हमीदन
- २६ हमीदन को कितने पोते थे । तिन
- २७ हमीदन ने बचे हुए पाच साँ रुपये से बूढ़े पति जमाल खा के लिए का आपरेशन करने के लिए बचाकर रखे थे । मोतियाबिद
- २८ जमाल खा के अपनी बिरादरी और कौम के थे सरपंचजिस पर उसने विश्वास रखा था । चौधरी हमीद हुसेन
- २९ चोट कहानी की लिखी कहानी है । भगवानदास मोरवाल
- ३० प्रतिनिधि कहानिया के लेखक है । भगवानदास मोरवाल
- ३१ प्रजापति दक्ष का दोस्त उनके पास टिफिन खाने आ जाता था । समीर राघव
- ३२ मिसेस सक्सेना के चमचे को सुपरसीड क्रर पहले प्रमोशन दे दिया है । केसवानी
- ३३ प्रजापति..... दलित कर्मचारी विकास संघ का सदस्य नहीं बना था । दक्ष
- ३४ मिसेस मेहता ,मिसेस अवस्थी मनु पांडे को बधाई देने उनके ऑफिस पहुंचे । केसवानी
- ३५ दक्ष के पास न इतनी ताकद थी कि वह मिसेस सक्सेना औरजैसे से टक्कर ले सके । आहूजा
- ३६ दक्ष की पत्नी सुबह जाने की तैयारी रही थी । मन्दिर
- ३७ सतबीर यादव का धन्धा करता है । प्रोपर्टी डीलिंग
- ३८ सनातन धर्मशाला की तेरहवी और अंतिम थी । दुकान
- ३९ लाला डालचंद जैन ने अपनी स्वर्गीय माताजी की स्मृती में संवत् २०४२ में कराया है । चमेलीदेवी
- ४० अमर ,जगदीश और तीनों दोस्त थे । असफल
- ४१ डॉ .रुषिकेश ने अपना लारेन्स रोड वाला मकान को किराए पर दिया था । असफल

- ४२ अमर जाती से था । दलित
- ४३ अमर ने लडकी से शादी की थी । हिन्दू
- ४३ जगदीश की पत्नी का नाम था । सरिता
- ४४ असफल को होने के कारण इग्नोर किया गया है । अल्पसंख्यक
- ४५ असफल का सारा लेखन उर्दू बाजार से उठाई गयी पुरानी पाकिस्तानी का अनुवाद है । पत्रिकाओं
- ४६ जगदीश के पास उनका अपना है । अंबेडकर
- ४७ असफल पेशे से है और जाती से मुसलमान है । लेखक
- ४८ अमर..... लेने का काम करता रहता है । ट्यूशन
- ४९ असफल ने एक दोस्त के मकान में की हैसियत से रहते हुए भी किराया नहीं दिया बल्कि मकान मालिक पर मुकदमा ठोक दिया । किराएदार
- ५० जगदीश तुम तो हो गए । ईद के चौद
- ५१ मिसेस सक्सेना का से मिलनेवाले गिफ्ट्स से घर भरा हुआ है । एन जी ओं
- ५२ अमर तो हिंदी का होना चाहिए । शिखर पुरुष
- ५३ असफल तुम्हारा सारा लेखन उर्दू बाजार से उठाई गई पुरानीपत्रिकाओं का अनुवाद मात्र है । पाकिस्तानी
- ५४ इतिहास असफल की तस्वीर एक सेक्युलरऔर कौमीके प्रतिक के रूप में करेगा । एकता
- ५५ ललवानी साहब गाँव माध्यमिक पाठशाला के मुख्य अध्यापक पद पर कार्यरत आठवे शक्स हैं । भागपुर
- ५६ भागपुर गाँव का मशहूर रशीद पेशे सेथा । पेंटर
- ५७ भागपुर गाँव की पाठशाला का मुख्याध्यापक था । ललवानी साहब
- ५८ भागपुर गाँव की पाठशाला का मुख्याध्यापक होना ललवानी साहब के लिए था । कालापानी
- ५९ ललवानी साहब अकेले होते ही अपने परम पिता परमेश्वर श्री श्री १००८का स्मरण करता । झूलेलाल
- ६० भागपुर गाँव की पाठशाला के लिए ललवानी साहब जैसे सत्यानिष्ट ,ईनामदार और मुख्याध्यापक मिले । मेहनती
- ६१ पाठशाला के प्रांगण को स्वाधीनता संग्राम का जीता जगताबना दिया था । मंच

- ६२ ग्राम पंचायत भागपुर द्वारा अपने विकास फंड के लिए एक व्हिडिओ बनवाई गयी । फिल्म
- ६३ पहली बार भागपुर गाँव की पाठशाला के मुख्याध्यापक ललवानी साहब को राज्य सरकार द्वारा पुरस्कार मिला । राज्य शिक्षक
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- ६८ भागपुर गाँव की पाठशाला के मुख्याध्यापक ललवानी साहब का नाम क्रम पर था । आठवे
- ६९ 'रंग अभीर' कहानी की लिखी कहानी है । भगवानदास मोरवाल
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- ७१ दुकान खाली है पर समिति ने यह फैसला कर रखा है कि उसका इस्तेमाल सिर्फ के रूप में किया जाएगा । गोदाम
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- ९९ मनोहर ने तारा चाची से कहा कि अगले जन्म में मुझे माँ मिले तो जैसी माँ मिले । कमला
- १०० 'डॉक्टर मनोहर जैसे जीनियस से शादी करने जा रही है डॉक्टर शालिनी गौड न की एक झाड़ू लगाने वाले मेहतर से' यह किसने कहा । डॉक्टर शालिनी गौड ने कमला से
- १०१ कमला कहती है कि अगर मेरे कोई लड़का हुआ तो उसका नाम मैं रखुगी । मनोहर
- १०२ गेट पर तैनात चौकीदार को देखा । हुलिया
- १०३ इस्लामुद्दीन का पोता है जिसके बेटे का नाम जावेद है । मंगल खा
- १०४ विदेशी नस्ल के कुत्ते का नाम था । माईकेल

१०५ पारस जैन के लडके जैन ने देशी शराब का ठेका ले लिया है । महावीर

१०६ मेहता कुटीर में आये एक महिना होते ही अखबार में खबर फैली आपके गाँव में दस शराब पीकर मर गये । हरिजन

१०७ जावेद का दादा मंगल खा एक जमाने में की फ़ौज में सिफाही रहे हैं । नेताजी

१०८ मेंम साहब याने कांता के पति एस. पी. मेहता याने है । बड़े बाउजी

१०९ बड़े बाउजी के पिता का नाम था । दीनदयाल मेहता

११० जावेद का दादा मंगल खा ने दीनदयाल मेहता को अपनी जमीन में सेबीघा जमीन दी थी । पौच(५)

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१. आधुनिक भारताचा जनक म्हणुन कोण ओळखला जातो .

अ) राजा राममोहन रॉय	व) महात्मा गांधी
क) स्वामी दयानंद सरस्वती	ड) लोकमान्य टिळक
२. १८१५ साली आसिय सभेची स्थापना कोणी केली .

अ) रविद्रनाथ टागोर	व) महात्मा गांधी
क) स्वामी दयानंद सरस्वती	ड) राजा राममोहन रॉय
३. शेवटच्या मोगल शासक कोण होता .

अ) औरंगजेव	व) शहाआलम
क) वहादुरशहा जफर	ड) कामवक्श
४. 'गो-या माणसावरचे ओझे' या सिध्दांताचे जनका कोण आहेत .

अ) सर जॉन शोअर	व) सेंट ऑगस्टिन
क) रुडयार्ड केपलिंग	ड) एडवर्ड सैद
५. कोणती दोन मोठी भारतीय शहरे गॅड ट्रंक रोडमुळे जोडली गेली

अ) कलकत्ता आणि मुंबई	व) दिल्ली आणि मुंबई
क) दिल्ली आणि मद्रास	ड) कलकत्ता आणि दिल्ली
६. भारतात रेल्वेची सुरुवात झाली तेव्हा भारताचा गव्हर्नर जनरल कोण होता .

अ) लॉर्ड कॅनिंग	व) लॉर्ड वेलस्ली
क) लॉर्ड विल्यम वेंटिक	ड) लॉर्ड डलहौसी
७. कोणती दोन मोठी भारतीय शहरे भारतातील पहिल्या रेल्वे लाईनमुळे जोडली गेली

अ) मुंबई ते ठाणे	व) दिल्ली ते मुंबई
क) मुंबई ते पुणे	ड) कलकत्ता ते दिल्ली
८. कोणत्या भारतीय गव्हर्नर जनरलने भारतात सर्वप्रथम टपाल तिकीटाची सुरुवात केली .

अ) लॉर्ड कॉर्नवालिस	व) लॉर्ड वेलस्ली
क) लॉर्ड विल्यम वेंटिक	ड) लॉर्ड डलहौसी

९. भारतातील पहिल्या कायदा समितीचा अध्यक्ष कोण होता

अ) लॉर्ड कॉर्नवालिस

ब) लॉर्ड वेलिंग्टी

क) लॉर्ड विल्यम बेंटिक

ड) लॉर्ड मेकाले

१०. भारतात रयतवारी या महायुल पध्दतीची मुख्याल केंवडा झाली .

अ) १७७३ .

ब) १७९३ .

क) १८५४ .

ड) १८२० .

११. कोणत्या महयुल व्यवस्थेनुसार भारतीय शेतक-यांना सर्वप्रथम व्याख्या समितीची मालकी हक्क मिळाले .

अ) कायमधारा

ब) रयतवारी

क) महलवारी

ड) गिकाडी च्या सुधारणा

१२. १८ व्या शतकात भारतात कोणते औद्योगिक उत्पादित वस्तु जगप्रसिध्द होते . .

अ) कापड

ब) खनिज तेल

क) दुध व दुग्धजन्य वस्तु

ड) शस्त्र व अस्त्र

१३. डिफेन्स ऑफ युझरी पुस्तक प्रसिध्द पुस्तकाचा लेखक कोण आहेत .

अ) सर जॉन शोअर

ब) सेंट ऑगस्टिन

क) जेरेमी वेंथम

ड) एडवर्ड सैद

१४. १८५७ च्या वंडावेळी हजरत महलने कोणत्या भारतीय राज्याचे नेतृत्व केले होते .

अ) कानपूर

ब) आंध्र

क) नागपूर

ड) दिल्ली

१५. 'मुक्त व्यापार' या कल्पनेचा जनक म्हणुन कोण ओळखला जातो .

अ) लॉर्ड कॉर्नवालिस

ब) लॉर्ड वेलरली

क) लॉर्ड विल्यम बेंटिक

ड) अँडम स्मिथ

१६. 'वहुतम लोकांचे वहुतम सुख' हे विचार कोणी मांडले .

अ) सेंट ऑगस्टिन

ब) अमिरचंद

क) जेरेमी वेंथम

ड) एडवर्ड सैद

१७. 'सिटी ऑफ गॉड' या प्रसिध्द ग्रंथाचे लेखक कोण आहेत .

अ) सर जॉन शोअर

ब) सेंट ऑगस्टिन

क) जेरेमी वेंथम

ड) एडवर्ड सैद

१८. 'गो-या माणसावरचे ओझे' या सिध्दांताचे जनका कोण आहेत .

अ) सर जॉन शोअर

ब) सेंट ऑगस्टिन

क) रूडयार्ड केपलिंग

ड) एडवर्ड सैद

१९. कोणती दोन मोठी भारतीय शहरे गॅड ट्रंक रोडमुळे जोडली गेली

अ) कलकत्ता आणि मुंबई

ब) दिल्ली आणि मुंबई

क) दिल्ली आणि मद्रास

ड) कलकत्ता आणि दिल्ली

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अ) जॉर्ज स्टेफन्सन

ब) जॉर्ज मार्डक

क) विल्यम गिल्वर्ट

ड) जॉन नेपियर

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a) आग्नेय खडक b) गाळाचा खडक c) रूपांतरित खडक d) चुनखडीयुक्त खडक
8. क्वार्ट्झाइटचे रूपांतर पासून केले जाते.
a) वाळूचा दगड b) Obsidian c) शेल ड) चुनखडी
9. खालीलपैकी कोणत्या खडकामध्ये जीवाश्म असण्याची शक्यता नाही
अ) समूह ब) ग्रॅनाइट क) शेल ड) वाळूचा खडक
10. चुनखडी हे चे उदाहरण आहे.
a) मेटामॉर्फिक ब) गाळाचा खडक c) आग्नेय ड) ज्वालामुखी
11. जिओमॉर्फोलॉजी ही भूगोलाची शाखा आहे
अ) मानव ब) भौतिक क) सांस्कृतिक ड) सामाजिक
12. भूगोल म्हणजे पृथ्वीच्या भूरूपाचा अभ्यास.
a) जलविज्ञान b) भूरूपशास्त्र c) समुद्रशास्त्र d) भूविज्ञान
13. हे फर्स्ट ऑर्डर रिलीफ वैशिष्ट्य आहे.
अ) खंड ब) नदीचे खोरे c) हिमालय ड) मिंडर
14. भूगोल हा शब्द वापरणारी पहिली व्यक्ती
a) हम्बोल्ट b) Ratzel c) Ritter d) Eratosthenes

15. हे सेकंड ऑर्डर रिलीफ वैशिष्ट्य आहे.
 a) खंड ब) डेल्टा c) पर्वत ड) महासागर
16. हे तिसरे ऑर्डर रिलीफ वैशिष्ट्य आहे.
 अ) खंड ब) पर्वत क) हिमालय ड) मिंडर
17. SIMA=
 a) सियाल आणि सिलिका ब) सिलिका आणि मॅग्नेशियम c) सिलिका आणि अल्कोहोल ड) सिलिका आणि मॅग्नेशियम
18. NIFE =
 a) निकेल आणि फेरस ब) निऑन आणि फेरस c) निकेल आणि फायर ड) निकेल आणि मॅग्नेशियम
19. पृथ्वीच्या सर्वात वरच्या थराला म्हणतात.
 a) कोर ब) आवरण c) Nife d) कवच
20. पृथ्वीच्या सर्वात खालच्या थराला असे म्हणतात.
 a) कोर ब) आवरण c) Nife d) कवच
२१. SIAL आणि SIMA मधील एक खंड आहे
 अ) मोहोरोविक ब) रेपेटी क) लेहमन ड) कॉनरॅड
22. झोन वरचे आवरण आणि खालचे आवरण वेगळे करत आहे
 अ) मोहोरोविक ब) रेपेटी क) लेहमन ड) कॉनरॅड
23. झोन अप्पर कोअर आणि लोअर कोअर वेगळे करत आहे
 अ) मोहोरोविक ब) रेपेटी क) लेहमन ड) कॉनरॅड
२४. कवच आणि आवरण यांच्यातील एक विघटन आहे.
 अ) मोहोरोविक ब) रेपेटी क) लेहमन ड) गुटेनबर्ग
२५. आवरण आणि कोर यांच्यातील एक विघटन आहे.
 अ) मोहोरोविक ब) रेपेटी क) लेहमन ड) गुटेनबर्ग
26. पृथ्वीची सरासरी घनताgm/cm³ आहे
 अ) ३.५ ब) ४.५ क) ५.५ ड) ६.५
27. पृथ्वीच्या आतील भागात खोलीसह तापमान
 a) वाढते ब) घटते c) स्थिर ड) घट
28. तापमान दराने वाढते आहे.
 a) 10c प्रति 32 मीटर b) 10c प्रति 42 मीटर c) 10c प्रति 100 मीटर d) 10c प्रति 1000 मीटर
29. P लहर म्हणून ओळखली जाते.
 a) आदिम लहरी b) प्राथमिक लहर c) मागील लहर d) प्रिझमॅटिक तरंग
30. S लाट म्हणून ओळखली जाते.
 a) सेकंडहँड वेव्ह b) दुय्यम लहर c) अनुक्रमिक लहर d) पद्धतशीर लहर
31. निम्न लाट म्हणून ओळखली जाते.
 a) लॉकर वेव्ह b) पृष्ठभाग लहर c) द्रव लहर d) नुकसान लहर
32. भूकंपाची सर्वात वेगवान लाट आहे
 a) प्राथमिक लहर b) दुय्यम लहर c) तृतीय तरंग d) पृष्ठभाग लहर
33. भूकंपाच्या वेळी त्याचा वेग सर्वात कमी असतो
 a) प्राथमिक लहर b) दुय्यम लहर c) तृतीय तरंग d) पृष्ठभाग लहर
३४. भूकंपाची लाट सर्वात विनाशकारी असते.

- a) प्राथमिक लहर b) दुय्यम लहर c) तृतीय तरंग d) पृष्ठभाग लहर
35. भूकंप उपकरणाने मोजले जातात.
अ) होमोसेस्मियल रेषा ब) सिस्मोग्राफ क) होमोसेस्मियो ड) होमोसेस्मोग्राफ
36. देश भूकंप म्हणून ओळखला जातो.
a) भारत b) नेपाळ c) USA d) जपान
37. पृथ्वीच्या आतील भागाच्या सर्वात खालच्या भागाला असे म्हणतात
a) बाह्य गाभा b) आतील गाभा c) मध्य कोर d) कोर
38. आतील गाभाची घनता gm/cm³ च्या दरम्यान आहे
अ) 3.5 ते 5.5 ब) 4.5 ते 6.5 क) 13.3 ते 13.6 ड) 6.6 ते 5.5
39. SIAL ची घनता gm/cm³ च्या दरम्यान आहे
अ) ३.३ ते ५.५ ब) ४.५ ते ६.५ क) २.९ ते ३.३ ड) ६.६ ते ५.५
४०. खडकांना मूळ खडक म्हणून ओळखले जाते
a) आग्नेय ब) सेडमेंटरी ड) मेटामॉर्फिक d) यापैकी नाही
41. SIAL =
अ) सियाल आणि सिलिका ब) सिलिका आणि मॅग्नेशियम क) सिलिका आणि अल्कोहोल ड) सिलिका आणि अॅल्युमिनियम

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**B.A. II Climatology
Question Bank**

- १) ----- ही भौतिक भूगोलाची शाखा आहे
अ) सांस्कृतिक, ब) सामाजिक, क) राजकीय ड) हवामानशास्त्र
- २) ----- हे हवामानाचे विज्ञान आहे जे वातावरणातील भौतिक आणि अवकाशीय स्थितीचा अभ्यास करते.
अ) भूरूपशास्त्र, ब) समुद्रशास्त्र, क) राजकीय ड) हवामानशास्त्र
- ३) ----- हा वातावरणाचा खालचा थर आहे
अ) ट्रोपोस्फियर, ब) स्ट्रॅटोस्फियर, क) मेसोस्फियर, ड) एक्सोस्फियर
- ४) 6.5 °C/km दराने वाढत्या उंचीसह तापमान कमी होते. ----- म्हणून ओळखले जाते
a) सामान्य लॅप्स रेट, b) अॅडियाबॅटिक लॅप्स रेट, c) ओले अॅडियाबॅटिक लॅप्स रेट, d) ड्राय अॅडियाबॅटिक लॅप्स रेट
- ५) पृथ्वीच्या पृष्ठभागावर पोहोचण्यासाठी सूर्यकिरणांना सुमारे ----- वेळ लागतो
a) 8 मिनिटे, b) 9 मिनिटे c) 10 मिनिटे, d) 20 मिनिटे.
- ६) एकूण वार्षिक पृथक्करण ----- येथे सर्वाधिक आहे
अ) ध्रुवीय क्षेत्र ब) मकर राशीचे उष्णकटिबंधीय क) विषुववृत्तीय क्षेत्र ड) कर्क उष्ण कटिबंध
- ७) पाण्याची विशिष्ट उष्णता ----- असते.
अ) १ ब) ३ क) ४ ड) ५
- ८) पृथ्वीच्या पृष्ठभागाची एकूण अल्बेडो ----- आहे.
अ) ३५ ब) ४५ क) ५५ ड) ६५
- ९) वाढत्या उंचीसह तापमान वाढते याला ----- म्हणतात.
a) तापमान आक्रमण ब) एकसमान तापमान c) अद्वितीय तापमान d) पृथक्करण
- १०) 150°C तापमानात 450 अक्षांशावर समुद्रसपाटीचा मानक दाब -----mb आहे
अ) १०१३.२५, ब) १०१०.३० क) १०९.१२, ड) १०१.०१
११. घोडा अक्षांश ----- च्या आत आहे
a) ध्रुवीय उच्च b) विषुववृत्तीय निम्न c) उप उष्णकटिबंधीय उच्च d) उप ध्रुवीय निम्न
- १२) ----- हा ग्रहीय वान्याचा प्रकार आहे
a) व्यापारी वारा, b) लू, c) चक्रीवादळ, d) चक्रीवादळ
- १३) भारतात ----- मान्सूनपासून सर्वाधिक पाऊस पडतो
अ) दक्षिण पश्चिम, ब) ईशान्य, ड) दक्षिण पूर्व, ड) उत्तर पश्चिम
- १४) ITCZ म्हणजे-----
a) आंतर-उष्णकटिबंधीय रूपांतरण क्षेत्र, b) आंतरराष्ट्रीय उष्णकटिबंधीय रूपांतरण क्षेत्र, c) भारतीय उष्णकटिबंधीय रूपांतरण क्षेत्र, d) तापमान रूपांतरण क्षेत्र छेदतात

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**B.A. III Regional Planning and Developments
Question Banks**

1. नियोजन आयोगाची स्थापनावर्षात झाली
अ) १९४७
ब) १९४८
c) 1950
ड) १९६५
2. पहिली योजना सुरूझाली
अ) १९५०
ब) १९५१
c) 1965
ड) १९९१
3. नियोजन आयोग रद्द करण्यात आला.....
अ) 2015
ब) २०१४
c) 2017
ड) २०१२
4. NITI AYOOG च्या स्थापनेची घोषणा मध्ये करण्यात आली
a) 15 ऑगस्ट 2015
b) 15 ऑगस्ट 2014
c) 26 जानेवारी 2015
ड) 26 जानेवारी 2014
5. NITI AYOOG ची स्थापना झाली
a) 15 ऑगस्ट 2015
b) 26 जानेवारी 2015
c) २
ऑक्टोबर 2015
ड) १
जानेवारी 2015
6. खालीलपैकी कोणते भारतीय नियोजनाचे वैशिष्ट्य नाही
अ) विकास नियोजन
b) सूचक नियोजन
c) लोकशाही नियोजन
ड) केंद्रीकृत नियोजन

7. द्वारे "ग्रँड इनोव्हेशन चॅलेंज" लाँच केले गेले
अ) नीती आयोग
ब) नियोजन आयोग
c) राष्ट्रीय नियोजन समिती
ड) वित्त आयोग
8. NITI आयोगाचे पूर्ण रूप आहे
अ) नॅशनल इन्स्टिट्यूट फॉर ट्रान्सफॉर्मिंग इंडिया
ब) भारताचा कायापालट करणारी राष्ट्रीय संस्था
c) नॅशनल इन्स्टिट्यूट फॉर ट्रान्समिटींग इंडिया
ड) वरीलपैकी काहीही नाही
9. खालीलपैकी NITI आयोगाचे अध्यक्ष कोण आहेत
अ) अध्यक्ष
ब) पंतप्रधान
c) केंद्रीय मंत्री
ड) अर्थमंत्री
10. NITI आयोगाच्या उपाध्याक्षाची नियुक्ती कोण करते
अ) पंतप्रधान
ब) राष्ट्रपती
c) मुख्य कार्यकारी अधिकारी
ड) केंद्रीय मंत्री

के.एन.भिसे आर्ट्स, कॉमर्स अॅण्ड विनायकराव पाटील सायन्स कॉलेज,
विद्यानगर, भोसरे

- १) 'भाषा वापरणारा प्राणी' अशी व्याख्या कोणत्या प्राण्याची केली जाते.
अ) माणूस ब) माकड क) सिंह ड) कोल्हा
- २) वाक्याचा अर्थ पूर्ण करणाऱ्या क्रियावाचक शब्दाला काय म्हणतात.
अ) सर्वनाम ब) क्रियाविशेषण क) क्रियापद ड) विशेषण
- ३) मराठी भाषा ही 'बर्हिर्वर्तुकीतील' भाषा आहे असे कोणाचे मत आहे.
अ) सोस्यूर ब) हॉकेट क) होन्लॅ ड) सर विल्यम जोन्स
- ४) आर्य भारतीय शाखेतील प्राचीन भाषा कोणती आहे.
अ) प्राकृत ब) अपभ्रंश क) पाली ड) संस्कृत
- ५) वैदिक संस्कृतचा प्राचीन भाषीक नमुना कशात आढळतो.
अ) ऋग्वेद ब) मूर्धन्य क) दन्त्य ड) तालय
- ६) खालीलपैकी कोणत्या भाषेत बौद्धधर्मीय वाङ्मय ग्रंथीत झालेले आहे.
अ) संस्कृत ब) शौरसेनी क) पाली ड) महाराष्ट्री
- ७) मराठी या शब्दाची व्युत्पत्ती कानडीत शोधण्याचा प्रयत्न कोणी केला आहे.
अ) न.ची.केळकर ब) शं.बा.जोशी क) गं.वं.ग्रामोपाध्ये ड) श.भि.जोशी
- ८) मराठीतील पहिला कोरीव लेख कोणता आहे.
अ) दिवे आगर ताम्रपट ब) भांदकचा शिलालेख
क) पळसदेवचा शिलालेख ड) पंढरपूरचा शिलालेख
- ९) खालीलपैकी कोणती भाषा ओल्ड टेस्टमेंट ची भाषा म्हणून सर्व भाषाची जननी मानली गेली.
अ) ग्रीक ब) लॅटीन क) इंग्रजी ड) हिब्रू
- १०) 'मराठीचे ऐतिहासिक भाषाशास्त्र' या ग्रंथाचे लेखक कोण आहेत.
अ) ना.गो.कालेलकर ब) मु.श्री.कानडे क) डॉ.र.रा.गोसावी ड) द.दि.पुंडे
- ११) संस्कृत, ग्रीक, लॅटीन या प्राचीन भाषांची एक जननी भाषा असावी असे मत कोणी मांडले.
अ) सोस्यूर ब) व्हर्नर क) ग्रीम ड) सर विल्यम जोन्स

१२) बिजागरी हा शब्द मराठीत कोणत्या भाषेतून आला आहे.
अ) द्राविड ब) संस्कृत क) पोर्तुगीज ड) हिंदी

- १३) कोणत्या भाषेच्या सहवर्तित्वाामुळे मराठीत अण्णा, अण्ण, इडणी, उण्णा असे शब्द आले आहेत.
अ) संस्कृते ब) द्राविड क) इंग्रजी ड) हिंदी
- १४) 'निरपवादित्वाचा सिध्दान्त' कोणी मांडला.
अ) ग्रीम ब) व्हेनर क) हॉकेट ड) थॉमसन
- १५) हॉस्पिटल > इस्पितळ स्कूल > इस्कूल ही उदाहरणे कशाची आहेत.
अ) मध्यस्वनागम ब) अंत्यस्वनागम क) संयोजन ड) आध्यस्थानी स्वनागम
- १६) शब्दातील एका वर्णाचा उच्चार दुसऱ्या वर्णाच्या जागी आला म्हणजेच दोन वर्णांची स्थानदृष्ट्या आदलाबदल झाली तर या परिवर्तनास काय म्हणतात.
अ) वर्णाविपर्यय ब) सदृशीकरण क) विरुदृशीकरण ड) संयोजन
- १७) 'तौलनिक भाषाशास्त्र' वरील ग्रंथाची निर्मिती कोणी केली.
अ) कृ.पा.कुलकर्णी ब) पां.दा.गुणे क) डॉ.अनुराधा पोतदार ड) डॉ.अशोक वेतक
- १८) 'भाषा नैसर्गिक आणि स्वयंभू आहे' असे मत कोणी मांडले.
अ) अॅरिस्टॉटल ब) प्लेटो क) डेमॉक्रीटस ड) ग्रीम
- १९) शब्दाच्या वाक्यार्थाची कक्षा अधिक विस्तृत, व्यापक होणे याला काय म्हणतात.
अ) अर्थसंबोध ब) अर्थच्युती क) अर्थविस्तार ड) अर्थप्रशस्ती
- २०) खालीलपैकी कोणते ध्वनी औष्ठ्य आहेत.
अ) क, ख ब) च, छ क) प, फ ड) न, ण
- २१) स्वन जेव्हा स्वतःच्या परिस्थितीने किंवा अंतर्गत कारणानी बदलतो त्या परिवर्तनास काय म्हणतात.
अ) संयोगजन्य परिवर्तन ब) स्वनिच परिवर्तन
क) स्वयंभू परिवर्तन ड) स्वनिमीय परिवर्तन
- २२) खालीलपैकी कोणते ध्वनी हे अल्पप्राण आहेत.
अ) क, ग ब) छ, झ क) फ, भ ड) थ, ध
- २३) खालीलपैकी कोणते उदाहरण 'मध्यस्वनागम' चे आहे.
अ) स्नान/सिनान ब) भक्त/भगत क) स्कूल/इस्कूल ड) कोर्ट/कोर्ट
- २४) भाषानिर्मितीचा आद्य हेतू कोणता असतो.
अ) विचारप्रकटीकरण ब) ध्वन्युत्पादन क) अर्थपूर्णाता ड) अर्थवाहकता
- २५) हर्मन पॉल याचा 'भाषेच्या इतिहासाची तत्त्वे' हा भाषाशास्त्रीय ग्रंथ कोणत्या वर्षी प्रकाशित झाला.
अ) इ.स. १८५० ब) इ.स. १८५५ क) इ.स. १८७५ ड) इ.स. १८८०

- २६) 'भाषाविमिती ही सामाजिक संकेतातून जन्माला आली' असे मत कोणी मांडले.
 अ) पवेली ब) ऑरिस्टीटान क) मेस्पर्सन ड) व्हुमरिन्ड
- २७) अधिष्ठा हाकतीने एखाद्या हाब्दाचा उच्चार सरळ होताने विनाप्रतिबंध त्याचा जो आगगास अर्थ प्राप्त होतो त्याला काय म्हणतात
 अ) लक्षणा ब) व्यंजना क) अधिष्ठा ड) वाच्यार्थ
- २८) 'मौ तुकाराम वाचता' हे उदाहरण कशाचे आहे.
 अ) लक्षणा ब) अधिष्ठा क) व्यंग्यार्थ ड) अर्थविस्तार
- २९) खालीलपैकी कोणते उदाहरण अतिशयोक्तीचे आहे.
 अ) गौरसमजुत ब) गजानन क) आकाश कोसळणे ड) कैलासवासी
- ३०) खालीलपैकी कोणता शब्द सामासिक शब्द आहे.
 अ) राजवाडा ब) शोगडी क) माउली ड) हृदय
- ३१) 'बगदंबरी' हे कोणत्या लेखकाच्या संस्कृत ललित कृतीचे नाव आहे.
 अ) वाग्भट ब) भामहू क) मम्मट ड) बाणभट्ट
- ३२) घैघ, मंगळसूत्र इत्यादी शब्द खालीलपैकी कशाची उदाहरणे आहेत.
 अ) अर्धसंबन्धेय ब) अर्थविलास क) अर्थप्रशस्ती ड) अर्थव्युत्ती
- ३३) भाषेची संकेतव्यवस्था कशावर आधारलेली असते.
 अ) अर्थाविचार ब) शब्दविचार क) ध्वनीसंकेत ड) वाक्यविचार
- ३४) मानवी मूल बनावटवर पडलेली भाषा कशामुळे शिकू शकते.
 अ) इच्छाशक्ती ब) भाषिक क्षमता क) भाषेचे ज्ञान ड) यादृच्छिकता
- ३५) ध्वनिसमुच्चय आणि आशय याचा संबंध पूर्णपणे कोणत्या प्रकारचा असतो.
 अ) संकेतरूप ब) अर्थरूप क) यादृच्छिक ड) ध्वनीरूप
- ३६) हॉकेट या भाषावैज्ञानिकाने भाषेची एकूण किती प्रमुख लक्षणे सांगितली आहेत.
 अ) पाच ब) सात क) आठ ड) नऊ
- ३७) 'भाषा आणि संस्कृती' या ग्रंथाचे लेखक कोण आहेत.
 अ) ना.गो.कालेलकर ब) मु.श्री.कानडे क) द.दि.पुंडे ड) सं.ग.मालशे
- ३८) कोणत्या भाषावैज्ञानिकाने बालकाच्या भाषा संपादनासंबंधी मुलगामी विचार मांडलेले आहेत.
 अ) हॉकेट ब) ग्रीम क) चॉम्स्की ड) रास्क

- 1) सार्वजनिक आयव्यय म्हणजे ----- चा जमाखर्च होय.
अ) सरकार ब) व्यक्ती क) कुटूंब ड) भांडवलदार
- 2) हि कर कमी होय.
अ) समता ब) निश्चितता क) नवचिकता ड) यापैकी सर्व
- 3) कर भरण्याची कायदेशीर जबाबदारी एकावर परंतु प्रत्यक्षात तो दुसऱ्यावर ढकलणे म्हणजे होय.
अ) कर मंजूर्यण ब) करभार क) कराघात ड) यापेक्षा वेगळे
- 4) ----- तत्वानुसार सरकारी खर्चाचा अधिक हिस्सा उत्पादक व विकास कामासाठी वापरणे अभिप्रेत असते.
अ) समान वितरण ब) उत्पादकता क) काटकसर ड) प्रभाव
- 5) भारताच्या सार्वजनिक कर्जात कर्जाचा हिस्सा सर्वाधिक आहे.
अ) बाह्य ब) अंतर्गत क) नाणेनिधीच्या ड) जागतिक बँकेच्या
- 6) सार्वजनिक आयव्यय म्हणजे ----- चा जमाखर्च होय.
अ) सरकार ब) व्यक्ती क) कुटूंब ड) भांडवलदार
- 7) 19व्या शतकाच्या अखेरीस ----- यांनी राज्याच्या वाढत्या कार्याचा सिध्दांत मांडला.
अ) वॅग्नर ब) मसग्रेव्ह क) डाल्टन ड) डम स्मिथ
- 8) प्रा. मसग्रेव्ह यांच्या मते सरकारने कर रूपाने लोकांकहून निधी गोळा केल्यास समाजाकडून होणारा त्याग ----- होय.
अ) वाढत जाईल ब) घटत जाईल क) स्थिर राहील ड) या वेगळे
- 9) ----- तत्वानुसार सरकारी खर्चाचा अधिक हिस्सा उत्पादक व विकास कामासाठी वापरणे अभिप्रेत असते.
अ) समान वितरण ब) उत्पादकता क) काटकसर ड) प्रभाव
- 10) सरकारी पैशाची उधळपट्टी होणार नाही याकडे लक्ष देणे म्हणजे ----- होय.

- अ) नवचिकतेचे तत्व ब) प्रभाव तत्व क) काटकसरीचे तत्व ड) या वेगळे
- ११) गालीनपैकी..... व्यापारी बँकांची प्रातिनिधिक मंया आहे.
अ) टेली व्हीकलणे ब) कर्जे देणे क) पैशाचे ग्यानांतर ड) वर्गल मं
- १२) बँकेत पैशाची देयवेय करताना या संदर्भ म्यावा नागलो.
अ) पाणयुक ब) नमुना मत्री क) गाने पुस्तिका ड) यापैकी नाही
- १३) भागीदारी मध्येस बँकेत गाने उघडावे नागले.
अ) व्यक्तिगत ब) संयुक्त क) भागीदारीचे ड) यापैकी नाही
- १४) बँकेच्या एका शाखेने दुस-या शाखेवर विनिष्ट रकम देण्यासबंधी काढलेला नेमगा आदेश म्हणजे होय.
अ) धनादेश ब) बँक ड्राफ्ट क) बँक आदेश ड) यापैकी नाही
- १५) हुड्या वटविणे हे व्यापारी बँकांचे काय आहे.
अ) प्राथमिक ब) दुय्यम क) गौण ड) यापैकी नाही

Modern Management Practice

1. ब्यूहरचना प्रामुख्याने..... कामाबधीमाठी असते.
अ) अतिशय अल्प ब) अल्प क) मध्यम ड) दिर्घ
2. धोरणे..... या प्रकारच्या कार्यामाठी ज्ञान उपयोगी पडतात.
अ) नास्तुर्ती ब) अमलबजावणी क) आवर्ती ड) विंगर आवर्ती
3. ब्यूहरचनेच्या मुख्यमापनात..... ही मोष्ट महत्वाची असते.
अ) विसीय ब) विंगरविसीय क) अ आणि ड ड) बमृनिष्ठ
4. आपत्कालीन व्यवस्थापनाची तयारी या प्रकारच्या नियंत्रणात समाविष्ट असते.
अ) विशेष दक्षता नियंत्रण ब) अमलबजावणी क) ब्यूहरचनात्मक सनत देखरेख ड) मृहीतक नियंत्रण
5. व्यवस्थापकांचा विकास करणे हा उपक्रम..... प्रणालीत समाविष्ट होतो
अ) कार्य प्रोत्साहन ब) विकास क) नियोजन ड) माहिती.

Micro Economics

1. पूर्ण स्पर्धेत दीर्घकाळात संस्था नफा मिळवितात.
अ. किमान व. कमान क. सर्वसाधारण ड. अतिरिक्त
2. संपत्तीच्या पूर्णतः समान वाटपावरून महत्तम साध्य होते.
अ. रोजगार व. सामाजिक कल्याण क. उत्पन्न ड. उपभोग
3. परोटो युक्ततम वर आधारित आहे.
अ. संख्यावाचक उपयोगिता व. क्रमवाचक उपयोगिता क. एकूण उपयोगिता ड. सीमांत उपयोगिता
4. गट संकल्पना हे बाजारपेठेचे वैशिष्ट्य आहे.
अ. पूर्ण स्पर्धा व. मत्केदारी क. मत्केदारीयुक्त स्पर्धा ड. अल्पाधिकार
5. पूर्ण स्पर्धेत मागणी वक्र असतो.
अ. ताठर व. पूर्ण लवचिक क. एकपेक्षा कमी लवचिक ड. यापैकी नाही
6. यांनी अंशलक्षी व समग्रलक्षी अर्थशास्त्र या संकल्पना मूर्वप्रथम वापरल्या.
अ. रॅगनर फ्रीश व. रॅगनर नर्कस क. अँडम स्मिथ ड. जे.एम.केन्स
7. राष्ट्रीय उत्पन्न = खंड + वेतन + व्याज + नफा म्हणजे होय.
अ. स्थिर किमतीनुसार राष्ट्रीय उत्पन्न व. घटक खर्चानुसार राष्ट्रीय उत्पन्न
क. निव्वळ राष्ट्रीय उत्पन्न ड. बाजार किमतीनुसार राष्ट्रीय उत्पन्न
8. पद्धतीने राष्ट्रीय उत्पन्नाचे मोजमाप करता येते.
अ. उत्पन्न व. उत्पादन क. खर्च ड. मर्च
9. कारेन्ड वक्र शी संबंधित आहे.
अ. राष्ट्रीय उत्पन्नाची निर्मिती व. राष्ट्रीय उत्पन्नाचे विभाजन
क. राष्ट्रीय उत्पन्नाचे मापन ड. दरदोई उत्पन्न
10. फिशरच्या व्यवहार समीकरणामध्ये $M1$ या अक्षराने चा निर्देश केला आहे.
अ. सर्वसाधारण किंमत पातळी व. पैशाचा भ्रमनवेग
क. एकूण पतपैसा ड. एकूण विधीग्राह्य पैसा
11. राष्ट्रीय उत्पन्न = खंड + वेतन + व्याज + नफा म्हणजे होय.
अ. स्थिर किमतीनुसार राष्ट्रीय उत्पन्न व. घटक खर्चानुसार राष्ट्रीय उत्पन्न
क. निव्वळ राष्ट्रीय उत्पन्न ड. बाजार किमतीनुसार राष्ट्रीय उत्पन्न

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12. 'मांडवलयथाहीतील मोनेरी नियम म्हणजे होय.
अ. शोक्याद्रागे व्यवसायाचे नियंत्रण व. सरकारद्रागे व्यवसायाचे नियंत्रण
क. निर्यातीद्वारे विक्रय ड. आयात पर्यायीकरण
13. वस्तूची प्रत्यक्ष वा अप्रत्यक्षपणे खरेदी विक्री घडवून आणणारी यंत्रणा म्हणजे होय.
अ. वाजार व. उद्योगसंस्था क. मागणी ड. पुरवठा
14. मागणी पुरवठ्यातील समतोल यंत्रणा म्हणजे होय.
अ. नियोजन मंडळ व. सरकारी यंत्रणा क. किंमत यंत्रणा ड. मागणी
15. पूर्ण लवचिक मागणी वक्र हा असतो.
अ. क्ष अक्षाम समांतर व. य अक्षाम समांतर
क. आरंभ स्थानाशी वहिर्वक्र ड. तीव्र उताराचा
16. यांच्या मते व्यवसायानातील वैयक्तिक स्वयंमूळे उत्पादन खर्चात वाढ होत आहे.
अ) चेंबरलीन ब) प्रा. कॅल्डार क) प्रा. मार्शल ड) जोन गविन्स
- 17) उद्योगसंस्थेच्या एकूण उत्पादन खर्चाचा उत्पादन कलेल्या नगमक्येने भागले असता ----- खर्च समजतो.
अ) एकूण ब) सरासरी क) मिमान ड) वाम्ब
- 18) अल्पकालीन सरासरी बदलता खर्च वक्र ----- आकाराचा असतो.
अ) वर्गीच्या ब) पनरट क) वू ड) एल
- 16) आदान - प्रदान यांच्यातील कार्यात्मक संबंध म्हणजे ----- होय.
अ) उत्पादन फलन ब) उत्पादन क) प्रमाणाच्या वचती ड) उत्पादन निर्यात
- 17) पूर्ण स्पर्धेतील किमतीचे विक्षेपन ----- यांनी केले आहे.
अ) अँडम स्मिथ ब) रिकार्डो क) डॉ मार्शल ड) एडवर्ड चेंबरलीन
18. मुख्यभेद हे बाजाराचे वैशिष्ट्य आहे.
अ. पूर्ण स्पर्धा ब. मत्केदारी क. मत्केदारीयुक्त स्पर्धा ड. अल्पाधिकार

12. भांडवलशाहीतील सोनेरी नियम म्हणजे होय.
 अ. धोक्याद्वारे व्यवसायाचे नियंत्रण व. सरकारद्वारे व्यवसायाचे नियंत्रण
 क. निर्यातीद्वारे विकास ड. आयात पर्यायीकरण
13. वस्तूची प्रत्यक्ष वा अप्रत्यक्षपणे खरेदी विक्री घडवून आणणारी यंत्रणा म्हणजे होय.
 अ. बाजार व. उद्योगसंस्था क. मागणी ड. पुरवठा
14. मागणी पुरवठ्यातील समतोल यंत्रणा म्हणजे होय.
 अ. नियोजन मंडळ व. सरकारी यंत्रणा क. किंमत यंत्रणा ड. मागणी
15. पूर्ण लवचिक मागणी वक्र हा असतो.
 अ. क्ष अक्षम समांतर व. य अक्षम समांतर
 क. आरंभ स्थानाशी बहिर्वक्र ड. तीव्र उताराचा
- 16) ----- यांच्या मते व्यवस्थापनातील गैरव्यवस्थेमुळे उत्पादन खर्चात वाढ होत आहे.
 अ) चेंबरलीन व) प्रा. कॅन्डार क) प्रा. मार्शल ड) जोन गॅबिन्स
- 17) उद्योगसंस्थेच्या एकूण उत्पादन खर्चाला उत्पादन केलेल्या नगसंख्येने भागले असता ----- खर्च समजतो.
 अ) एकूण व) सरासरी क) सिमान्त ड) वास्तव
- 18) अल्पकालीन सरासरी बदलता खर्च वक्र ----- आकाराचा असतो.
 अ) वक्राच्या व) फ्लॅट क) यू ड) एल
- 16) आदान - प्रदान यांच्यातील कार्यान्वित संबंध म्हणजे ----- होय.
 अ) उत्पादन फलन व) उत्पादन क) प्रमाणाच्या वचती ड) उत्पादन निष्पत्ती
- 17) पूर्ण स्पर्धेतील किंमतीचे विज्ञेयन ----- यांनी केले आहे.
 अ) □ डम स्विथ व) रिचर्डो क) डॉ मार्शल ड) एडवर्ड चेंबरलीन
18. मुख्यभेद हे बाजाराचे वैशिष्ट्य आहे.
 अ. पूर्ण स्पर्धा व. मनेदारी क. मनेदारीयुक्त स्पर्धा ड. अल्पाधिकार

18. विभाजनाचा मीमांन उत्पादकता सिद्धान्त यांनी मांडला.
 अ. प्रा. नाईट व. जे. डी. मे. क. रिचर्डो ड. जे. डी. स्नार्क
19. विक्री खर्च हे बाजाराचे वैशिष्ट्य आहे.
 अ. पूर्ण स्पर्धा व. मनेदारी क. मनेदारीयुक्त स्पर्धा ड. यापैकी नाही
20. हे गोष्टींचा त्याग करण्याबद्दलचा मोबदला होय - पॉई केन्य.
 अ. खंड व. व्याज क. वेतन ड. तळा
21. नफ्याचा नवप्रवर्तन सिद्धान्त यांनी मांडला.
 अ. जे. डी. स्नार्क व. प्रा. नाईट क. प्रा. ज्युमिटर ड. प्रा. हॉने

Agricultural Economics

1. शेतीची उत्पादकता = -----
 एकूण लागवडीयोग्य क्षेत्र
2. देशांतर्गत मत्स्य उद्योगात चालना देण्यासाठी पाचव्या पंचवार्षिक योजनेत ची स्थापना केली.
3. प्रकल्पित प्रदेश विकास कार्यक्रम माली मुरु झाला.
4. दुग्ध व दुग्धजन्य पदार्थांची वाढती मागणी लक्षात घेऊन सरकारने दुग्ध व्यवसायाच्या प्रगतीसाठी योजना राबविली.
5. भारतीय शेतीतील उत्पादनात जो अमुलाय बदल घडून आला त्याला असे संबोधतात.
6. भारतात माली भूविकास बँकाची मुहूर्तमेढ झाली.
 अ. १९८२ व. १९७५ क. १९२० ड. १९५५
7. नावार्डची स्थापना माली झाली.
 अ. १९५५ व. १९८२ क. १९७५ ड. १९८१
8. १ जुलै १९५५ रोजी इम्पोर्टेशन बँकेचे राष्ट्रीयकरण करून बँकेची स्थापना करण्यात आली.
 अ. आर. डी. आय. व. एम. डी. आय. क. आय. डी. डी. आय. ड. आय. सी. आय. डी. आय.
9. भारताने किमान आधारभूत किंमत जाहीर करण्याची जबाबदारी वर आहे.

18. विभाजनाचा मीमांत उत्पादकता सिद्धांत यांनी मांडला.
 अ. प्रा. नाईट व. जे. वी. से. क. रिकार्डो ड. जे. बी. क्लार्क
19. विक्री खर्च हे बाजाराचे वैशिष्ट्य आहे.
 अ. पूर्ण स्पर्धा ब. मत्केदारी क. मत्केदारीयुक्त स्पर्धा ड. यापैकी नाही
20. हे रोखतेचा त्याग करण्याबद्दलचा मोबदला होय - नॉई केन्स.
 अ. खंड ब. व्याज क. वेतन ड. नफा
21. नफ्याचा नवप्रवर्तन सिद्धांत यांनी मांडला.
 अ. जे. वी. क्लार्क व. प्रा. नाईट क. प्रा. शुम्पिटर ड. प्रा. हॉले

Agricultural Economics

१. शेतीची उत्पादकता = -----
- एकूण लागवडीखालील क्षेत्र
२. देशांतर्गत मस्येउद्योगास चालना देण्यासाठी पाचव्या पंचवार्षिक योजनेत ची स्थापना केली.
३. प्रकीर्तित प्रदेश विकास कार्यक्रम साली सुरू झाला.
४. दुध व दुग्धजन्य पदार्थांची वाढती मागणी लक्षात घेऊन सरकारने दुध व्यवसायाच्या प्रगतीसाठी योजना राबविली.
५. भारतीय शेतीतील उत्पादनात जो आमुलाग्र बदल घडून आला त्याला असे संबोधतात.
६. भारताने..... साली भूविकास बँकाची सुरुवात झाली.
 अ. १९८२ ब. १९७५ क. १९२० ड. १९५५
७. नावार्डची स्थापना साली झाली.
 अ. १९५५ ब. १९८० क. १९७५ ड. १९८१
८. १ जुलै १९५५ रोजी इम्पेरियल बँकेचे राष्ट्रीयकरण करून बँकेची स्थापना करण्यात आली.
 अ. आर.बी.आय. ब. एस.बी.आय. क. आय.डी.बी.आय. ड. आय.सी.आय.सी.आय.
९. भारताने किमान आध्यात्मिक किंमत जाहीर करण्याची जबाबदारी वर आहे.

- अ. नावार्ड ब. आर.बी.आय. क. कृषी व्यवस्थापन आयोग ड. केंद्रीय कृषी खाते
10. साली कृषी मूल्य आयोगाची स्थापना करण्यात आली.
 अ. १९६५ ब. १९७७ क. १९७५ ड. १९८५

History of Economic Thought

- 1) आभासवटाची कल्पना ----- यांनी मांडली.
 अ) रिकार्डो ब) डेम म्मिय क) डॉ मार्शल ड) या. नाही.
- 2) ----- यांनी स्वदेशी चलवटीचा कार्यक्रम सुरू केले.
 अ) डॉ आंबेडकर ब) अमर्त्य सेन क) महात्मा गांधी ड) या. नाही.
- 3) डॉ. मार्शल यांनी ----- प्रमुख ग्रंथ लिहीला.
 अ) Wealth of Nation ब) principals of economics
 क) poverty and famines ड) या. नाही.
- 4) ----- यांनी प्राथमिक उद्योग मंथेची कल्पना मोडली.
 अ) डॉ. मार्शल ब) महात्मा गांधी क) केन्स ड) डॉ. आंबेडकर
- 5) केन्स यांनी ----- हा प्रमुख ग्रंथ लिहीला.
 अ) Wealth of Nations ब) Principles of Economics
 क) The general theory of Employment Interest and Money
 ड) या. नाही.
- ६) डॉ. बाबासाहेब आंबेडकर यांनी १९३० मध्ये ग्रंथ परिचित केला.
 अ) जाति निर्मूलन ब) आर्थिक ममता क) लोकशाही ममाजवाद ड) द पॉज्सेम ऑफ रूयोज
- ७) डॉ. मार्शल यांनी ही संकल्पना विकसित केली.
 अ) मागणीची लवचिकता ब) उपभोक्त्याचे मनोपाधिक्य क) वास्तव खर्च व पैसातील खर्च
 ड) वर्गल पैकी सर्व

अ. नाबार्ह ब. आर. पी. आय. क. कृषी म्युचु व बिचन आयोग द. केटीए कृषी म्युचु
 10. मानी कृषी म्युचु आयोगाची स्थापना करण्यात आली.
 अ. १९६५ द. १९७७ क. १९७५ द. १९८५

History of Economic Thought

- आनामसंडाची कल्पना ----- यानी घाहणी.
 अ) निवाडो ब) टम मिये क) डॉ मार्शल द) वा. नाही.
- यानी स्पेटेजी बळवळीचा कार्यक्रम मुरु केने.
 अ) डॉ आंबेडकर ब) अडवर्न येन क) महात्मा गांधी द) वा. नाही.
- डॉ. मार्शल यानी ----- प्रमुचु इय विहीला.
 अ) Wealth of Nation ब) principals of economics
 क) poverty and famines द) वा. नाही.
- यानी प्राथमिटीय उदबोध मन्वेची कल्पना घोहणी.
 अ) डॉ. मार्शल ब) महात्मा गांधी क) वेन्सु द) डॉ. आंबेडकर
- कन्सु यानी ----- हा प्रमुचु इय विहीला.
 अ) Wealth of Nations ब) Principles of Economics
 क) The general theory of Employment Interest and Money
 द) वा. नाही.
- डॉ. वायामांडव आंबेडकर यानी १९३० मध्ये ----- ग्रंथ प्रसिध्द केला.
 अ) जाति निमूलन ब) आर्थिक समता क) लोकशाही समाजवाद द) द फ्रीडम ऑफ संधीय
- डॉ. मांडव यानी ----- ही संकल्पना विकसित केली.
 अ) माणगायी नव्यायकता ब) उपभोक्त्यांचे सत्तायाधिक्य क) वास्तव मरुवं व पैसातील मरुवं
 द) वर्गान पैसा मरुवं

- सर्वीययवि मय ----- यवि तुलाक मयुय मयिती मयने.
 अ) काने मयने ब) अमर्य मय क) जेन मयने द) यीकी मयने
- योग्याय मयकरीय मयने अमे कयलाय.
 अ) ईक गेद मयने मयने ब) कयन मयितीय मयने क) मयकरीय मयने

Cooperative Development

- जगल मययम ----- य देला मयकरी कयनक मय जयने.
 अ) डोमंड ब) प्रमिड क) जयन द) मयन
- हे मयटुय मयकरी मयने यीने प्रयत्न यीने.
 अ) बी. काटी ब) बी. मयकट क) बी. व. ज. मयन द) बी. कन्सु मयड मयकरीय
- मयटुय मयकरी विकसय मयमयड ----- मयमयड मयमयड.
 अ) ५१ ब) ६१ क) ७१ द) ८१
- मयमयडची मयमयड ----- मयने कयने.
 अ) १९५१ ब) १९५१ क) १९६१ द) १९८१
- मयमयडची मयमयड मयमयड मयमयड ----- मयमयड मयमयड मयमयड मयमयड.
 अ) ५० ब) २५ क) ३५ द) १०
- जगल मययम ----- य देला मयकरी कयनक मय जयने.
 अ) मयन ब) प्रमिड क) जयन द) मयन
- हे मयटुय मयकरी मयने यीने प्रयत्न यीने.
 अ) बी. काटी ब) बी. मयकट क) बी. व. ज. मयन द) बी. कन्सु मयड मयकरीय
- मयटुय मयकरी विकसय मयमयड ----- मयमयड मयमयड.
 अ) ५१ ब) ६१ क) ७१ द) ८१
- मयमयडची मयमयड ----- मयने कयने.
 अ) १९५१ ब) १९५१ क) १९६१ द) १९८१
- मयमयडची मयमयड मयमयड मयमयड ----- मयमयड मयमयड मयमयड मयमयड.
 अ) ५० ब) २५ क) ३५ द) १०

Department of Physics
Subject: Physics Class: B.Sc. II Semester - VI
(Optics and Lasers)

Question Bank

2 marks Questions.

- 1) State the Cardinal Points.
- 2) Draw diagram of Michelson's Interferometer.
- 3) What is division of wavefront ?
- 4) What is division of amplitude ?
- 5) What is diffraction and state types of diffraction ?
- 6) What is rectilinear propagation of light ?
- 7) What is Zone Plate?
- 8) What is positive and negative zone plate ?
- 9) What is ordinary and extraordinary rays ?
- 10) What is total internal reflection ?
- 11) Define magnifying power and resolving power.
- 12) Find the theoretical value of grating element.
- 13) What is constructive and destructive interference ?
- 14) State the principle of superposition of waves.
- 15) State the application of wedge shaped thin film.
- 16) Explain briefly Newton's rings application that to determine the refractive index of liquid.
- 17) Define nodal points and nodal planes for a lens system.
- 18) Define focal points and focal planes for a lens system.
- 19) Define principal points and principal planes for a lens system.
- 20) What is lateral magnification?
- 21) State different types of fringes obtained by using Michelson Interferometer.
- 22) How zone plate is prepared?
- 23) State Rayleigh's criterion for limit of resolution.
- 24) Distinguish between geometrical resolution and spectral resolution.
- 25) Define resolving power of a grating.
- 26) Define the term specific rotation, state its unit.
- 27) What is optical fiber?
- 28) What are the types of optical fiber?
- 29) Define 'numerical aperture'. State its unit.
- 30) What is pulse dispersion?

3 marks Questions.

- 1) Draw diagram of Fabry – Perot Interferometer.
- 2) State any four superiority of Fabry-Perot Interferometer over Michelson's Interferometer.
- 3) What is Rayleigh's criterion for the limit of resolution ?
- 4) Draw a neat ray diagram for interference in thin film by reflected light.
- 5) Explain the Newton's ring experiment arrangement.

- 6) State the conclusions from expression of wedge shaped thin film.
- 7) Explain briefly Newton's rings application that to determine wavelength of monochromatic source.
- 8) Write expression of equivalent focal length in terms of power.
- 9) Draw a neat ray diagram to represent a pair of principal Foci for converging system.
- 10) Distinguish between magnification and resolution.
- 11) What is meant by resolving power of optical instrument?
- 12) State any four advantages of optical fiber.
- 13) Explain dextrorotatory and laevorotatory optical active substances
- 14) State laws of rotation of plane of polarization.
- 15) The distance of an object and its image from the corresponding focal points are 9 cm and 4 cm respectively for a thick lens in air. Calculate the focal length of a thick lens.
- 16) Two thin convex lenses of focal length 10 cm and 20cm are separated from each other by 10 cm. Calculate the equivalent focal length of the combination.
- 17) Two thin convex lenses of focal length 10 cm each are separated co-axially and are separated by a distance 5 cm. Find the equivalent focal length of combination.
- 18) Two thin lenses of focal lengths 20 cm and 10 cm are separated by 5 cm distance. Find the equivalent focal length and the positions of principle points.
- 19) Find the resolving power of a prism having a base of 5cm and the rate of change of refractive index with respect to wavelength is 1200.

5 marks Questions.

- 1) Obtain Newton's formula for a lens system.
- 2) Write short note on formation and working of fiber optic communication system?
- 3) Write short note on cardinal point of lens system.
- 4) Explain different types of fringes obtained by using Michelson Interferometer.
- 5) Explain application of Michelson interferometer for measurement of wavelength.
- 6) Write short note on rectilinear propagation of light on the basis of Fresnel's half period zone.
- 7) Explain construction and working of polarimeter.
- 8) Describe an experiment to demonstrate the rotation of plane of polarization.
- 9) Write short note on optical rotation.
- 10) Explain the structure and principle of optical fiber
- 11) What are the types of optical fiber? How are the optical fiber classified?
- 12) Write note on step index fiber.
- 13) Write short note on pulse dispersion in optical fiber
- 14) Derive the relation between f and f' for an optical system.
- 15) Derive the relation between lateral, axial and angular magnifications.
- 16) Define lateral, axial and angular magnification and derive the relation between them.
- 17) Describe the construction and working of Michelson's interferometer with schematic diagram.
- 18) Describe the construction and working of Fabry – Perot interferometer.
- 19) Find the number of lines in the grating.
- 20) Derive an expression for resolving power of a grating.
- 21) Describe how you will distinguish circularly polarized light from unpolarized light.
- 22) Explain absorption, spontaneous and stimulated emission.

8 marks Questions.

- 1) Obtain an expression for equivalent focal length lens of a coaxial lens system.
 - 2) Explain how a zone plate acts like a lens having multiple foci. Derive an expression for its focal length.
 - 3) What is Fresnel's type of diffraction at straight edge? State the features of the diffraction pattern obtained.
 - 4) Define resolving power of an optical instrument. Derive an expression for resolving power of prism.
 - 5) State the laws of rotation of plane of polarization. Describe polarimeter experiment to determine the specific rotation of an optically active solution.
 - 6) Discuss how you obtain a plane polarized beam of light with it.
 - 7) What is a fiber optic communication system in detail?
 - 8) Explain construction and working of Michelson interferometer and how it is for measurement of wavelength.
 - 9) Explain construction, working of Fabry-Perot interferometer and how it is for measurement of wavelength.
 - 10) Define resolving power of an optical instrument. Distinguish between magnification and resolution. Derive an expression for resolving power of grating
 - 11) Explain population inversion, optical and electrical pumping.
 - 12) Explain in detail Ruby Laser.
 - 13) Explain in detail He-Ne Laser.
 - 14) Explain principle and structure of optical fiber.
 - 15) Explain how a zone plate acts like a lens having multiple foci . Derive expression for its focal length.
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Department of Chemistry

Question Bank Summary

2021-22

Sr. No	Class	Semester	Subject Name	Paper Name	Nature of Question Bank
1	B. Sc. II	IV	Physical Chemistry	Paper-VII	Multiple Choice Question
2	B. Sc. II	IV	Physical Chemistry	Paper-VII	Multiple Choice Question
3	B. Sc. II	IV	Physical Chemistry	Paper-VII	Multiple Choice Question
4	B. Sc. II	IV	Physical Chemistry	Paper-VII	Multiple Choice Question
5	B. Sc. II	III	Organic Chemistry	Paper-V	Theoretical
6	B. Sc. II	III	Organic Chemistry	Paper-V	Multiple Choice Question
7	B. Sc. II	IV	Analytical and Industrial Chemistry	Paper-VIII	Multiple Choice Question
8	B. Sc. I	I	Inorganic Chemistry	Paper-II	Multiple Choice Question
9	B. Sc. II	IV	Analytical and Industrial Chemistry	Paper-VIII	Theoretical

B.Sc. (Part-II) (Semester-IV) Examination

CHEMISTRY (Paper-VII)

Physical Chemistry

Q.1. Multiple choice questions.

- 1) For thermodynamically reversible process, the entropy change is
- A) one
B) two
C) three
D) zero
- 2) Specific conductivity with increases in concentration.
- A) increases
B) remains same
C) decreases
D) none of these
- 3) (110) plane of a crystal is called as plane.
- A) diagonal
B) cube-diagonal
C) simple
D) none of these
- 4) The sum of the transport number of cation and anion is equal to
- A) 0
B) 0.5
C) 1
D) 1.5
- 5) Which of the following can be considered a strong electrolyte ?
- A) HCOOH
B) NH₄OH
C) KCl
D) C₆H₅NH₂
- 6) Mathematical expression for Ohm's law is.....
- A) $I = R/E$
B) $I = E/R$
C) $E = R/I$
D) $C = R/E$
- 7) The branch of physical science which deals with the study of geometry, properties and structure of crystal is called
- A) polarography
B) symmetrography
C) crystallography
D) solidography
- 8) Disorder increases within temperature from solid to liquid.
- A) decreases
B) increases
C) remains same
D) none of these

9) In the mathematical representation of distribution law i.e. $k = C_1/C_2$ the constant K is known as.....

- A) temperature coefficient
- B) distribution coefficient
- C) rate constant
- D) none of these

10) The ionic product of water is

- A) 1×10^{-14}
- B) 1×10^{-7}
- C) 1×10^{-10}
- D) 1×10^{14}

11) A homogeneous mixture of two or more chemical component is known as.....

- A) solution
- B) solvent
- C) solute
- D) none of these

12) Specific conductance is the reciprocal of

- A) specific resistance
- B) equivalent conductance
- C) resistance
- D) conductance

13) The distribution of solute between two immiscible solvents is called of a substance.

- A) partition
- B) solvation
- C) both A and B
- D) none of these

14) Transport number of cation depends upon the transport number of

- A) + ion
- B) molecules
- C) anion
- D) all of these

15) $BaSO_4$ is

- A) Non electrolyte
- B) strong electrolyte
- C) sparingly soluble salt
- D) all of these

16) In which of the following electrolyte, the equivalent and molecular conductance is same .

- A) KCl
- B) Na_2SO_4
- C) H_2SO_4
- D) H_3PO_4

17) If the plane of crystal cuts the one co-ordinate axis and is parallel to other two axes ,then it is known as..... plane.

- A) diagonal
- B) simple
- C) cubic diagonal
- D) cubic

- 18) Electric current is carried in the solution by
- A) electrons B) molecules
 C) ions D) atoms
- 19) If transport number of cation is 0.38, then that of anion is
- A) 0.62 B) 0.78
 C) 1.22 D) 0.22
- 20) Multiple extraction is efficient as compare to single extraction.
- A) more B) the same
 C) less D) None of these
- 21) For the solution of NaOH which will have the lowest value of specific conductance ?
- A) 0.1M B) 1.0M
 C) 0.001M D) 0.01M
- 22) When succinic acid or oxalic acid is shaken with ether and water it.....in water.
- A) associate to form water B) dissociates into ions
 C) remains the same D) none of these
- 23) Interfacial angle is the angle between the two..... faces of the crystal.
- A) opposite B) intersecting
 C) both A and B D) none of these
- 24) Conductance of an electrolytic solution is proportional to
- A) number of ions B) dilution
 C) current density D) volume of solution
- 25) The equation $\lambda^{\circ} = \lambda_{+}^{\circ} + \lambda_{-}^{\circ}$ represents.....
- A) Ohm's law B) Kohlrausch's law
 C) Hittorf's rule D) Nernst law
- 26) In case of uni-univalent electrolyte the equivalent and molecular conductivities are
- A) equal B) unequal
 C) both A and B D) none of these

27) Maximum entropy will shown by

- A) ice
- B) water vapors
- C) liquid water
- D) snow

28) For NaCl crystals even order reflections in (111) plane is

- A) weaker
- B) stronger
- C) both A and B
- D) none of these

29) The decrease in randomness suggest that the reaction is

- A) non-spontaneous
- B) spontaneous
- C) endothermic
- D) reversible

30) is not an extensive property.

- A) melting point
- B) enthalpy
- C) entropy
- D) mass

31) Entropy of perfect crystalline substance at absolute zero Kelvin is

- A) non zero
- B) zero
- C) infinite
- D) one

32) ΔS_{max} is independent of

- A) pressure
- B) volume
- C) temperature
- D) none of these

33) When a solid melts to liquid, entropy

- A) decreases
- B) remains constant
- C) increases
- D) none of these

34) $n\lambda \sin \theta = 2d \sin \theta$ represents equation

- A) Nernst
- B) wave
- C) Avogadro
- D) Bragg's

35) The distribution law is applied in

- A) Contact process for the manufacture of H_2SO_4
- B) Haber's process for the manufacture of NH_3
- C) Parke's process for the extraction of Ag
- D) All of these

- 36) Body centered cubic lattice consist of Points at corners.
- A) 2
B) 4
C) 6
D) 8
- 37) One Faraday is equal to
- A) 96500 Coulomb
B) 9650 Coulomb
C) 9.65 Coulomb
D) 96.5 Coulomb
- 38) Entropy change is given by the equation
- A) $\Delta S = q_{rev} T$
B) $\Delta S = q_{rev} + T$
C) $\Delta S = q_{rev} / T$
D) $\Delta S = q_{rev} - T$
- 39)is amorphous in nature.
- A) Diamond
B) Glass
C) Sugar
D) common salt
- 40) Molar conductance is expressed in
- A) Siemen. m^{-1}
B) $S. m^2 mol^{-1}$
C) mhos. m^{-1}
D) $Ohm^{-1}.m$
- 41) For an adiabatic process
- A) $\Delta E = q$
B) $q = 0$
C) $q = +W$
D) $P\Delta V = 0$
- 42) Three dimensional arrangement of points in space is called
- A) crystal structure
B) unit cell
C) crystal lattice
D) lattice plane
- 43) Entropy of a pure crystalline solid is zero at.....
- A) $100^{\circ}C$
B) $300^{\circ}C$
C) $273^{\circ}C$
D) $-273^{\circ}C$
- 44) Each Na^{+} ion in NaCl crystal lattice is surrounded by..... Cl^{-} ions.
- A) 1
B) 4
C) 6
D) 2
- 45) The equivalent conductance of solutionwith decrease in concentration.
- A) decreases
B) increases
C) remains same
D) all of these

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Unit Test 2021-2022

Subject- Microbial techniques

Class-B.Sc.I

Sem.-I Marks-15

Time 45 Min.

Date - 31/08/2021

Que no. 1 All questions are compulsory

Marks 05

1. is an example of acidic stain. ✓
a. Congo red b. Safranin c. Crystal violet d. Methylene blue
2. is not a neutral stain
a. Giemsa's stain b. Leishman's stain c. Nigrosine d. None
3. Bacterial cell beholds charge on its surface
a. Slightly positive b. Slightly negative c. No charge d. Depends on conditions
4. Grams Staining was discovered by.....
a. Christian Gram b. Joseph Gram c. Micheal Gram d. Antony Gram
5. Methylene Blue is stain.
a. Plasmolysis b. Plasmoptysis c. None of above d. Both.

Que no. 2 Write Short Notes:- (Any Two)

Marks 10

1. Gram Staining
2. Acid fast staining
3. Cell wall staining

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Unit Test 2021-2022

Subject- Introduction to Microbiology and Microbial diversity

Class-B.Sc.I

Sem.-I Marks-15 Time 45 Min.

Date - 24/08/2021

Que no. 1.

Marks 05

1. The bacteria having many flagella at one end is called as

a. Amphitrichous b. Lophotrichous c. Peritrichous d. Monotrichous

2. The outermost rigid covering that gives shape, strength and protection to the cell is called as

a. Cell membrane b. Cell wall c. Pili d. Flagella

3. Teichoic acid is present in cell wall of

a. Gram positive bacteria b. Gram negative bacteria c. Algae d. Protozoa

4. is present in cell membrane.

a. Amino sugar b. N- acetyl glucosamine c. Phospholipids d. Polysaccharide

5. The spherical shaped bacterial cells are called as

a. Bacilli b. Cocci c. Rods d. Coccobacilli

Que no. 2 Write Short Notes:- (Any Two)

Marks 10

I) Gram Positive cell wall

II) Flagella

III) Cell membrane


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Unit Test 2021-2022

Subject- Applied Microbiology

Class-B.Sc. I

Sem.-II

Marks-15

Time 45 Min. Date - 12/01/2022.

Q. no. 1. Rewrite the following sentences by choosing correct alternatives. 05Marks

1. In most probable number (MPN) method _____ medium is used.
 - a) Lactose broth
 - b) EMB broth
 - c) Mac-conkey's agar
 - d) Tryptose broth
2. Which of the following reagent is used in Indol test.
 - a) Kovac's reagent
 - b) Methyl red
 - c) Bromothymol blue
 - d) Alpha - naphthol & KOH
3. Eijkman test is used for _____.
 - a) Non fecal pollution
 - b) Fecal pollution
 - c) Water pollution
 - d) Air pollution
4. Which of the following medium is used in presumptive test.
 - a) Lactose broth
 - b) Nutrient agar
 - c) Mac-conkey's agar
 - d) EMB agar
5. In citrate utilization test which colour indicates positive test.
 - a) Yellow to red
 - b) Yellow to blue
 - c) blue to Green
 - d) Green to red

Q. No. 2 write short notes. (Any two). 10 Marks

1. IMViC test
2. Fecal pollution of water and its indicators.
3. Disinfection


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Unit Test Examination sept.2021-22

Subject –Bacterial Genetics

Class-B.Sc. II

Sem. - III

Marks-15

Time 45 Min. Date-02/09/2021

Q. No. 1. Rewrite the following sentences by choosing correct alternatives

05Marks

- DNA polymerase I is having _____ exonuclease activity
a) 3' – 5' b) 5' – 3' c) Both d) None
- The replication in which the newly synthesized DNA is having one old strand from parent and one new strand is called as _____.
a) Conservative b) Dispersive c) Semiconservative d) Transcriptive
- The enzyme involved in unwinding of DNA is _____.
a) Topoisomerase b) Helicase c) DNA ligase d) Primase
- Z form of DNA possess-----base pairs per turn of helix.
a) 8 b) 10 c) 9 d) 12
- organism replicates by rolling circle replication mechanism.
a) Bacteria b) Actinomycetes c) Fungi d) Viruses

Q. No. 2. Answer any two of the following

10Marks

- 1) Explain in brief the mechanism of replication.
- 2) Discuss in brief Hershey and chase experiment.
- 3) Describe in detail structure of double stranded DNA.


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Unit Test Examination sept.2021-22

Subject-Bacterial Cytology, Virology and Metabolism

Class-B.Sc.II

Sem.-III Marks-15 Time 45 Min.

Date - 10/09/2021

Q.1. Multiple choice questions

5 M

i) The process of facilitated diffusion mediated by -----

- A) ATP B) Carrier protein C) Na⁺ ions D) H⁺ ions

ii) The Tetra peptide chain of amino acids is attached to

- A) N-acetyl glucosamine B) N- acetyl muramic acid C) glycerol phosphate D) Ribitol phosphate

iii) In group translocation process ----- act as phosphate group donor.

- A) ATP B) Glucose C) PEP D) Pyruvate

iv) The culture composed of the cells that are all at the same stage of cell cycle is called as-----

- A) Continuous culture B) Batch culture C) Synchronous culture D) None of the above

v) When number of bacteria is continuously increasing in particular order such phase is called as-----

- A) Lag Phase B) Log Phase C) Stationary Phase D) Death Phase

Q.2 Answer any two of the following

10 M

A) Gram Positive cell wall

B) Growth Curve

C) measurement of growth

D) Cell Membrane


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Unit Test Examination 2021-22

Class-B.Sc. II

Subject –Immunology & Medical Microbiology

Sem. - IV

Marks-15

Time 45 Min.

Date - 17/02/2022.

Q. No. 1. Rewrite the following sentences by choosing correct alternatives

05Marks

i) Ability of substance to stimulate the immune system for production of antibody or cells is called as -----

A) immunogen B) antigenicity C) hapten D) epitope

ii) The term antibody coined by-----.

A) Louis Pasteur B) Wilhelm Kuhne C) Elvin kabbat D) William Arthur

iii) ----- type of antibody produced during secondary immune response.

A) IgA B) Ig M C) Ig G D) IgA

iv) ----- serves as strongest antigen.

A) Protein B) carbohydrate C) lipid D) nucleic acid

v) -----antibody presnt in lower concentration in the body fluid.

A) IgA B) Ig M C) Ig G D) IgA

Que no. 2 Answer Any 2 of following

10 Marks

1. Define antigen. Discuss factors affecting on antigenicity.

2. Structure of antibody.

3. Biological properties & functions of classes of antibody.


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Unit Test- 2021-2022

Subject- Industrial Microbiology

Sem.-IV Marks-15

Class-B.Sc. II

Time 45 Min. Date- 21/02/2022

Q. No. 1. Rewrite the following sentences by choosing correct alternatives 05 Marks

1. The fermentation in which two or more microorganisms are used is called as _____.
a) Submerged c) Dual
b) Batch d) Continuous
2. The sparger is used for _____.
a) Aeration c) Agitation
b) Foam control d) None
3. The material used for the manufacturing of fermenter is _____.
a) Wood c) Pyrex glass
b) Plastic container d) Heavy metal
4. Baffles are used to avoid _____.
a) Extra air c) Vortex formation
b) Foam production d) None
5. Vegetable oil are used as _____.
a) Anti-foam agent c) pH controller
b) Aeration d) Cleaning of fermenter

Q. No. 2. Explain the design of fermenter. 05 Marks

Q. No. 3. Continuous fermenter. 05 Marks


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Unit Test 2021- 2022

B.Sc. -III

Environmental Microbiology

Date- 02/08/2021

Question .1 Multiple choice questions

5 marks

1)Methanogens belong to _____

- a. Eubacteria b. Dinoflagellates c. Slime molds d. Archaeobacteria

2) Which of the following are found in extreme saline conditions?

- a. Halophiles b. Thermophiles c. Psychrophiles d. Acidophiles

3) Barophiles are the organisms which require _____ for its growth.

- a. Highly alkaline condition b. Higher temperature c. high salt concentration d. High hydrostatic pressure

4) Halophilic bacteria grow best at salt concentration of _____ %.

- a) 2.5 to 4 b) 0.5 to 2 c) 4 to 5 d) 0.1 to 1

5) Psychrophiles would be expected to grow:

- a) in hot springs b) on the human body c) at refrigeration temperatures d) at low pH

Question 2 Attempt any two of the following

10 marks

- a) Acidophiles b) Thermophiles c) Osmophiles

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Unit Test Examination 2021-22

Subject-Immunology Class-B.Sc.III

Sem.-V Marks-15 Time 45 Min.

Date - 09/08/2021

Q.1. Multiple choice questions

10 M

i)-----lymphocytes involved in humoral immunity.

A) B B) T C) T_H D) T_C

ii) clonal selection theory was proposed by-----

A) Paul Ehrlich B) Burnet C) Bennet D) Dreyer

iii)-----lymphocytes involved in cell cytotoxicity.

A) B B) T C) T_H D) T_C

iv) -----Medium used for screening of hybrid cells.

A) CAT B) MAT C) HAT D) TAC

v) MHC II present antigen to -----

A) B B) T C) T_H D) T_C

Q.2. Define monoclonal antibody. Describe in detail hybridoma technology. Add a note on its applications.

10 M

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Unit Test Examination 2021-22

Subject-Industrial Microbiology Class-B.Sc.III

Sem.-V Marks-20

Time 45 Min.

Date - 07/09/2021

Que no. 1 Select the correct alternative

Marks 05

1. Streptomycin was discovered by....

- a. Alexander Fleming b. Waksman c. Murakami d. Woodroof and Macdaniel

2.is not an essential amino acid

- a. Lysine b. Histidine c. Glycine d. Phenyl alanine

3. Chemical nature of Streptomycin is

- a. Basic b. Acidic c. Salt d. Alcoholic

4.is used for treatment of diabetes

- a. Insulin b. Interferon c. Monoclonal antibody d. Growth hormone

5. Lysine is type of amino acid.

- a. Acidic b. Basic c. Sulphur containing d. Aromatic

Que no. 2 Answer Any 3 of following

Marks 15

1. Process of insulin production

2. Azotobacter as a Biofertilizer

3. Bioinsecticides

4. Uses of IFN as rDNA product


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DEPARTMENT OF MICROBIOLOGY

Unit Test Examination 2021-22

Subject- Agricultural Microbiology

Class-B.Sc.III

Sem.-V Marks-15 Time 45 Min.

Date - 17/09/2021

Que no. 1 All questions are compulsory

Marks 05

1. Fungal fruiting bodies are of the disease.
a. Symptom b. Sign c. Treatment d. none
2. Abnormal growth of certain tissue of plant is
a. Dwarfism b. Atrophy c. Hypertrophy d. chlorosis
3. When green pigment of plant is replaced by Red, Purple, orange pigment that condition is called as
a. Chromosis b. Chlorosis c. Etiolation d. dwarfing
4. The loss of green pigment due to prolonged exposure to darkness is called as
a. Etiolation b. Dwarfism c. Hyperplasia d. Atrophy
5. The powdery appearance of plant infection is due to
a. Fungal spores b. Bacterial growth c. nematodes d. Abiotic factors

Que no. 2 Write Short Notes:- (Any Two)

Marks 10

1. Biotic, Mesobiotic and Abiotic factors causing plant disease
2. Write down any 5 general symptoms of the plant disease.
3. Mode of infection in plants


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DEPARTMENT OF MICROBIOLOGY

Unit Test Examination 2021-22

date - 18/01/2022.

MICROBIAL BIOCHEMISTRY

Q.1. Multiple choice questions

5 M

i)-----coined the term enzyme.

A) L.Pasteur B) W.Kuhne C) F.Crick D) Watson

ii) The difference between energy level of ground state and excited state known as-----

A) Activation energy B) Binding energy C) Transition state D) Free energy

iii) The regulatory enzymes for which substrate and modulator is identical is known as-----cooperativity

A) Heterotropic B) Homotropic C) Negative D) Inhibitory

iv) Multiple forms of enzymes catalyse the same reaction is called as-----.

A) Ribozyme B) Isozyme C) Enzyme D) Coenzyme.

V) Substrate binds with active site by-----bonds.

A) Ionic B) Vander walls C) Hydrogen D) Covalent

Q.2. Define catalysis. Describe in detail factors affecting on catalytic efficiency of enzymes. 08 M

Q.3. Derive Michaelis-Menten kinetic equation. Add a note on significance of K_m and V_{max} . 07 M


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DEPARTMENT OF MICROBIOLOGY

Unit Test Examination 2021-22

B. Sc III Sem VI

Date - 22/01/2022

MEDICAL MICROBIOLOGY

Que no. 1. Rewrite the following sentences by choosing correct alternatives

Marks 05

- 1) H1N1 virus belongs to the family _____.
A) Orthomyxoviridae B) Picornaviridae C) Adenoviridae D) Filoviridae
2. The genetic material of HBV is _____
A) ssDNA B) dsDNA C) dsRNA D) partially ds DNA
3. Size of HAV is _____
A) 42 nm B) 15 nm C) 120 nm D) 27 nm
4. Rabies virus is _____ shaped
A) Circular B) icosahedral C) bullet D) rod
5. Tzank smear is used for the identification of ----- virus.
A) HAV B) HBV C) HSV D) HIV

Que no. 2 Write Short Notes:- (Any Three)

Marks 15

- I) Write a note on diagnosis of HIV infection with special emphasis on detection of infectio in window period
- II) Differentiate between HAV and HBV infections
- III) write a note on Ebola disease.
- IV) Write a note on vaccination of Rabies


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K.N.Bhise Arts, Commerce and Vinayakrao Patil Science College, Kurduwadi.
Unit Test Examination 2021-2022

Subject- Virology, Extremophiles and Bioinformatics
Class-B.Sc.III

Sem.-V Marks-20 Time 45 Min

Date - 12/02/2022,

Que no. 1 All questions are compulsory

Marks 05

1. Alkalophiles have their growth optimum between pH

- a. 5.5 and 7.0 b. 0 and 5.5 c. 7.0 and 9.5 d. 11 and above

2. What is NCBI?

- a. National Council for biology Information
b. National Center for Biology Information
c. National Center for Biotechnology Information
d. National Center for Biotechnology Informatics

3. The organism growing at temperature 35°C are called as

- a. Thermophile b. Mesophile
c. Psychrotroph d. Psychrophile.

4. Water will enter the cell when it is kept in solution

- a. Hypertonic b. Hypertonic
c. Isotonic d. Saline

5. The intact virus unit or infectious particle is termed as

- a. Virion b. Viroid c. Prion d. Mycoplasma

Que no. 2 Write Short Notes:- (Any Three)

Marks 15

1. Psychrophiles and Psychrotrophs

2. Thermophile

3. Acidophile

4. Barophile


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Madha Taluka Shikshan Prasarak Mandals

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Unit Test 2021-22

Subject- Microbial Physiology

Class-B.Sc. I

Sem.-II Marks-15

Time 45 Min. Date-03/0/2022

Q. no. 1. Rewrite the following sentences by choosing correct alternatives 05

Marks

1. _____ coined the term enzyme.

A) L.Pasteur B) W.Kuhne C) F.Crick D) Watson

2. The organic or metalloorganic substance which stimulate enzyme activity is known as _____

A) Substrate B) Inhibitor C) Activator D) Suppressor

3. The enzyme which are secreted in the presence of substrate is known as _____ enzyme.

A) Constitutive B). Exoenzyme C) Endoenzyme D) Inducible

4. The microorganism which uses inorganic compound as energy source and atmospheric CO₂ as carbon source known as _____.

A) Heterotroph B) Photoautotroph C) Chemoheterotroph D) Chemoautotroph

5. V) Substrate binds with active site by _____ bonds.

A) Ionic B) Vandr walls C) Hydrogen D) Covalent

Q. no. 2 Write Short Notes: - (Any Two)


10

Marks

I) Define active site & add a note on properties of active site.

II) Describe in detail mechanism of enzyme action.

III) Define Enzyme, coenzyme, cofactor and prosthetic group


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Question Bank

Class:-B.Sc.-I

Subject:-Mathematics

Topic:-Matrices and Linear Equations

- 1) Find the inverse of matrix $A = \begin{bmatrix} 8 & -8 & -2 \\ 4 & -3 & -2 \\ 3 & -4 & 1 \end{bmatrix}$ using Cayley Hamilton Method.
- 2) Find the inverse of matrix $A = \begin{bmatrix} 1 & 2 & 7 \\ 2 & 1 & 0 \\ 0 & 1 & 3 \end{bmatrix}$ using Cayley Hamilton Method
- 3) Find the inverse of matrix $A = \begin{bmatrix} 2 & 2 & 1 \\ 2 & 3 & 2 \\ 1 & 0 & 1 \end{bmatrix}$ using Cayley Hamilton Method
- 4) Find the inverse of matrix $A = \begin{bmatrix} 2 & -1 & 1 \\ -1 & 2 & -1 \\ 1 & -1 & 2 \end{bmatrix}$ using Cayley Hamilton Method.
- 5) Find the inverse of matrix $A = \begin{bmatrix} 0 & 1 & 2 \\ 3 & -3 & 0 \\ 1 & 1 & -1 \end{bmatrix}$ using Cayley Hamilton Method
- 6) Solve $x + y + z = 6$; $x - y + 2z = 5$; $3x + y + z = 8$; $2x - 2y + 3z = 7$
- 7) Solve $x + y + z = 9$; $2x + 5y + 7z = 52$; $2x + y - z = 0$
- 8) Solve $2x - y + 3z = 8$; $-x + 2y + z = 4$; $3x + y - 4z = 0$
- 9) Solve $x + y + z = 6$; $x - y + 2z = 5$; $3x + y + z = 8$; $2x - 2y + 3z = 7$
- 10) For what values of λ and μ , the equations $x + 2y + 3z = 4$; $x + 3y + 4z = 5$;
 $x + 3y + \lambda z = \mu$ have i) no solution ii) a unique solution iii) an infinite number of solutions
- 11) Solve $x + y + z = 0$; $2x - y - 3z = 0$; $3x - 5y + 4z = 0$; $x + 17y + 4z = 0$
- 12) Find the real value of k for which the following equations have non-zero solutions
 $x + 2y + 3z = kx$, $3x + y + 2z = ky$, $2x + 3y + z = kz$
- 13) For what values of λ the equations $x + y + z = 1$; $2x + y - 4z = \lambda$;

$4x + 5y + 10z = \lambda^2$ have a solution and solve them completely in each case.

14) Solve $2x - y + 3z = 8$; $-x + 2y + z = 4$; $3x + y - 4z = 0$

15) Show that the following equations are consistent and solve them

$x - 3y - 8z + 10 = 0$, $3x + y - 4z = 0$, $2x + 5y + 6z - 13 = 0$

Topic:-Complex Number

1) Find all the values of $(\sqrt{3} + i)^{\frac{1}{3}}$

2) Find all the roots of $(i)^{\frac{1}{4}}$ and $(1)^{\frac{1}{3}}$

3) Show that $\frac{(\cos\alpha + i \sin\alpha)^4}{(\sin\beta + i \cos\beta)^5} = \sin(4\alpha + 5\beta) - i \cos(4\alpha - 5\beta)$

4) If $x_r = \cos \frac{\pi}{2^r} + i \sin \frac{\pi}{2^r}$, prove that $x_1 \cdot x_2 \cdot x_3 \dots = -1$

5) If α and β are the roots of the equation $x^2 - 2\sqrt{3}x + 4 = 0$, then find the value of $\alpha^n + \beta^n$

6) If α and β are the roots of the equation $x^2 - 2x + 2 = 0$ then prove that

$$\alpha^n + \beta^n = 2^{\frac{n+2}{2}} \cos \frac{n\pi}{4}$$

7) If α and β are the roots of the equation $x^2 - 2x + 4 = 0$,

then show that $\alpha^n + \beta^n = 2^{n+1} \cos \frac{n\pi}{3}$

8) Solve $x^7 + 1 = 0$

9) Solve $x^6 - x^5 + x^4 - x^3 + x^2 - x + 1 = 0$

10) Solve $x^7 + x^4 + x^3 + 1 = 0$

11) Separate in to real and imaginary parts

1. \sqrt{i} 2. i^i 3. $e^{e^{i\theta}}$ 4. $\sqrt{2}e^{-\pi i/4}$

12) Separate in to real and imaginary parts

(1) $\cos h(x + iy)$ (2) $\sin h(x + iy)$ (3) $\tan h(x + iy)$

(4) $\sec h(x + iy)$ (5) $\operatorname{cosec} h(x + iy)$ (6) $\cot h(x + iy)$

Question Bank

Class:-B.Sc.-I

Subject:-Mathematics

Topic:- Differentiation

1) If $y = [x + \sqrt{(1+x^2)}]^m$,

then Prove that $(1+x^2)y_{n+2} + (2n+1)xy_{n+1} + (n^2 - m^2)y_n = 0$

2) If $y = (\sin^{-1} x)^2$ then show that $(1-x^2)y_{n+2} - (2n+1)xy_{n+1} - n^2y_n = 0$

3) If $y = \sin(m \sin^{-1} x)$

then Prove that $(1-x^2)y_{n+2} - (2n+1)xy_{n+1} + (m^2 - n^2)y_n = 0$

4) If $y = e^{\tan^{-1} x}$

then Prove that $(1+x^2)y_{n+2} + [2(n+1)x - 1]y_{n+1} + n(n+1)y_n = 0$

5) If $u = \operatorname{cosec}^{-1} \left(\frac{x^{1/2} + y^{1/2}}{x^{1/3} + y^{1/3}} \right)$

then prove that $x^2 \frac{\partial^2 u}{\partial x^2} + 2xy \frac{\partial^2 u}{\partial x \partial y} + y^2 \frac{\partial^2 u}{\partial y^2} = \frac{\tan u}{12} \left[\frac{13}{12} + \frac{1}{12} \tan^2 u \right]$

6) If $y^{1/m} + y^{-1/m} = 2x$

then Prove that $(x^2 - 1)y_{n+2} + (2n+1)xy_{n+1} + (n^2 - m^2)y_n = 0$

7) If $y = \log(x + \sqrt{a^2 + x^2})^2$,

then Prove that $(a^2 + x^2)y_{n+2} + (2n+1)xy_{n+1} + n^2y_n = 0$ (Where $a = \text{Constant}$)

8) If $u = \operatorname{cosec}^{-1} \left(\frac{x^{1/2} + y^{1/2}}{x^{1/3} + y^{1/3}} \right)$

then prove that $x^2 \frac{\partial^2 u}{\partial x^2} + 2xy \frac{\partial^2 u}{\partial x \partial y} + y^2 \frac{\partial^2 u}{\partial y^2} = \frac{\tan u}{12} \left[\frac{13}{12} + \frac{1}{12} \tan^2 u \right]$

Topic:- Reduction Formulae

- 1) Evaluate i) $\int_0^{\frac{\pi}{2}} \cos^{10} x dx$
- 2) Evaluate $\int_0^{\frac{\pi}{2}} \sin^8 x \cos^{10} x dx$
- 3) Evaluate $\int_0^{\frac{\pi}{2}} \sin^5 x \cos^8 x dx$
- 4) Evaluate $\int_0^{2a} \frac{x^{9/2}}{\sqrt{2a-x}} dx$
- 5) Evaluate i) $\int_0^{\frac{\pi}{2}} \cos^{10} x dx$
- 6) Evaluate $\int_0^{\frac{\pi}{2}} \sin^8 x \cos^{10} x dx$
- 7) Evaluate $\int_0^{\frac{\pi}{2}} \sin^4 x \cos^3 x dx$
- 8) Evaluate $\int_0^a (a^2 - x^2)^{\frac{5}{2}} dx$
- 9) $\int_0^{2a} \frac{x^{9/2}}{\sqrt{2a-x}} dx$
- 10) $\int_0^{\pi} (1 - \cos\theta)^3 d\theta$
- 11) Evaluate $\int_0^{\frac{\pi}{2}} \sin^5 x dx$
- 12) Evaluate $\int_0^{\frac{\pi}{2}} \sin^8 x dx$

Topic:- Vector Calculus

- 1) If $\vec{F} = (x^2 + yz)\vec{i} + (y^2 + zx)\vec{j} + (z^2 + xy)\vec{k}$ find $\text{div } \vec{F}$ and $\text{Curl } \vec{F}$ at $(1, -1, 3)$
- 2) If $\vec{F} = (x^2 - y^2)\vec{i} + 2xy\vec{j} + (y^2 - xy)\vec{k}$ find $\text{div } \vec{F}$ and $\text{Curl } \vec{F}$ at $(1, 1, -2)$
- 3) Show that the vector $\vec{F} = \frac{-y\vec{i} + x\vec{j}}{x^2 + y^2}$ is irrotational
- 4) If $\vec{F} = 3x^2\vec{i} + 5xy\vec{j} + xyz^3\vec{k}$ find $\text{div } \vec{F}$ and $\text{Curl } \vec{F}$ at $(1, 2, 3)$
- 5) Find a unit normal to the surface $x^2y + 2xz = 4$ at the point $(2, -2, 3)$.
- 6) If $\vec{A} = xz^3\vec{i} - 2x^2yz\vec{j} + 2yz^4\vec{k}$, then find $\text{div } \vec{A}$ and $\text{curl } \vec{A}$ at $(1, -1, 1)$.

- 7) Show that the vector $\vec{F} = \frac{-y\vec{i} + x\vec{j}}{x^2 + y^2}$ is irrotational.
- 8) If $\vec{u} = 2x^2\vec{i} - 3yz\vec{j} + xz^2\vec{k}$ and $\phi = 2z - x^3y$, find $\vec{u} \times \nabla\phi$ at the point $(1, -1, 1)$.
- 9) If $\vec{f} = x^2y\vec{i} - 2xz\vec{j} + 2yz\vec{k}$, find $\text{curl}(\text{curl } \vec{f})$
- 10) If $\phi(x, y, z) = x^3 + y^3 + z^3 - 3xyz$, find $\text{div}(\text{grad } \phi)$
- 11) If $\vec{f} = (x + y + 1)\vec{i} + \vec{j} - (x + y)\vec{k}$, prove that $\vec{f} \cdot \text{curl } \vec{f} = 0$
- 12) If $\phi(x, y, z) = x^3 + y^3 + z^3 - 3xyz$, find $\text{div}(\text{grad } \phi)$
- 13) Find the directional derivative of $x^2 - 2y^2 + 4z^2 = 3$ at the point $(1, 1, 1)$ in the direction of $2\vec{i} + \vec{j} - \vec{k}$.
-
-

Department of Mathematics

Question Bank

Class:-B.Sc.-II

Topic:-Curvature

1. Find the radius of curvature at any point on the ellipse $\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1$
2. Find the radius of curvature for the parabola $x = at^2, y = 2at$ at any point
3. Find the radius of curvature at any point (r, θ) on the cardioid $r = a(1 + \cos \theta)$
4. Find the radius of curvature for the curves
i) $s = 4a \sin \psi$ and ii) $s = c \log \sec \psi$ at any point.
5. Find the radius of curvature at point (S, ψ) on the curve at point
 $S = a \log\left(\frac{\pi}{4} + \frac{\pi}{2}\right)$
6. Find the radius of curvature at any point on the curve $y = \cosh^{-1} \frac{x}{c}$
7. Find the radius of curvature for the curve $x = 3 + 4 \cos t, y = 4 + 3 \sin t$
at the point $(3, 7)$

Topic:-Maxima and Minima

1. Find the extreme value of the function $u = x^3 + y^3 - 3axy$
2. Find the minimum value of $x^2 + y^2 + z^2$ when $x + y + z = 3a$
3. Find the maximum value of $u = xy^2z^3$ subject to the condition
 $\phi = x + y + z - 6$ using Lagrange's Undetermined Multipliers Method.
4. Explain Lagrange's undetermined multipliers method for the Extreme value of the function $u = f(x, y, z)$ subject to the condition $\phi(x, y, z) = 0$ and $\psi(x, y, z) = 0$
- 5) Find the stationary value of $u = x^2 + y^2 + z^2$ when $2x + 3y + 4z = 5$
by using Lagrange's Method of Undetermined Multipliers
- 6) Find the maxima and minima of $x^2 + y^2 + z^2$ subject to the condition
 $ax^2 + by^2 + cz^2 = 1$ and $lx + my + nz = 0$

Department of Mathematics

Question Bank

Class:-B.Sc.-II

Topic:-Jacobian

1. If $x = r \sin \theta \cos \phi$, $y = r \sin \theta \sin \phi$, $z = r \cos \theta$

then show that $\frac{\partial(x, y, z)}{\partial(r, \theta, \phi)} = r^2 \sin \theta$

2. Show that the function $u = x + y - z$, $v = x - y + z$, $w = x^2 + y^2 + z^2$ are dependent and also find the relation between them

3. If $x = r \sin \theta \cdot \cos \phi$, $y = r \sin \theta \sin \phi$, $z = r \cos \theta$

then find the Jacobian $\frac{\partial(x, y, z)}{\partial(r, \theta, \phi)}$.

4. If $u^3 + v^3 = x + y$, $u^2 + v^2 = x^3 + y^3$

Then show that $\frac{\partial(u,v)}{\partial(x,y)} = \frac{1}{2} \left[\frac{y^2 - x^2}{uv(u-v)} \right]$.

5. If $u = \frac{yz}{x}$, $v = \frac{xz}{y}$, $w = \frac{xy}{z}$ then prove that $\frac{\partial(u,v,w)}{\partial(x,y,z)} = 4$

6. If $u = r \sin \theta \cdot \cos \phi$, $v = r \sin \theta \sin \phi$, $w = r \cos \theta$

then find the Jacobian $\frac{\partial(u, v, w)}{\partial(r, \theta, \phi)}$

7. Let u, v, w be functions of three variables x, y, z .

If the Jacobian J of u, v, w with respect to x, y, z and the Jacobian J' of x, y, z with respect to u, v, w exists then show that $JJ' = 1$

8. If $u^3 + v^3 = x + y$, $u^2 + v^2 = x^3 + y^3$

Then show that $\frac{\partial(u,v)}{\partial(x,y)} = \frac{1}{2} \left[\frac{y^2 - x^2}{uv(u-v)} \right]$.

9. Show that $u = x + 2y + z$, $v = x - 2y + 3z = 0$, and $w = 2xy - xz + 4yz - 2z^2 = 0$ are not independent and find the relation between them.

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DEPARTMENT OF ZOOLOGY

Multiple Choice Question Bank

By,

Dr. Somanath S. Kshirsagar

1. The cervical vertebrae in humans is

- (a) same as in whale
- (b) more than that in rabbit
- (c) double than that of horse
- (d) less than that in giraffe

Answer : a

2. What is common in whale, bat and rat ?

- (a) Absence of neck
- (b) Muscular diaphragm between thorax and abdomen
- (c) Extra-abdominal testes to avoid high temperature of body
- (d) Presence of external ears

Answer : b

3. Gorilla, chimpanzee, monkeys and humans belongs to the same

- (a) species
- (b) genus
- (c) family
- (d) order

Answer : d

4. Tracheae of cockroach and mammal are similar in having

- (a) paired nature
- (b) noncollapsible walls
- (c) ciliated inner lining
- (d) origin from head

Answer : b

5. Budding is a normal mode of asexual reproduction in

- (a) starfish and Hydra
- (b) Hydra and sponges
- (c) tapeworm and Hydra
- (d) sponge and starfish

Answer : b

6. Radial symmetry is often exhibited by animals having

- (a) one opening of alimentary canal
- (b) aquatic mode of living
- (c) benthos/sedentary living
- (d) ciliary mode of feeding

Answer : c

7. Coelom derived from blastocoel is known as

- (a) enterocoelom
- (b) schizocoel
- (c) pseudocoelom
- (d) haemocoelom

Answer : c

8. Special character of Coelenterates is

- (a) polymorphism
- (b) nematocytes
- (c) flame cells
- (d) hermaphroditism

Answer : b

9. Point out the non-parasite

- (a) Tapeworm
- (b) Mosquito
- (c) Leech
- (d) Sea anemone

Answer : d

10. What is true about all sponges without exception ?

- (a) They are all marine
- (b) They have flagellated collar cells
- (c) They have a mixed skeleton consisting of spicules and spongin fibres
- (d) They reproduce only asexually by budding

Answer : b

11. In desert grasslands which type of animals are relatively more abundant?

- (a) Arboreal
- (b) Aquatic
- (c) Fussorial
- (d) Diurnal

Answer : c

12. In which of the following animal post anal tail is found?

- (a) Earthworm
- (b) Lower invertebrate
- (c) Scorpion
- (d) Cobra

Answer : d

13. Which one of the following characters is not typical of the class Mammalia?

- (a) Thecodont dentition
- (b) Alveolar lungs
- (c) Ten pairs of cranial nerves
- (d) Seven cervical vertebrae

Answer : c

14. In contrast to Annelids the Platyhelminthes show

- (a) absence of body cavity
- (b) bilateral symmetry
- (c) radial symmetry
- (d) presence of pseudocoel

Answer : a

15. In which one of the following sets of animals do all the four give birth to young ones?

- (a) Platypus, penguin, bat, hippopotamus
- (b) Shrew, bat, cat, kiwi
- (c) Kangaroo, hedgehog, dolphin, , loris
- (d) Lion, bat, whale, ostrich

Answer : c

16. Which one of the following is not a characteristic of phylum

annelida?

- (a) Closed circulatory system
- (b) Segmentation
- (c) Pseudocoelom
- (d) Ventral nerve cord

Answer : c

17. Which one of the following groups of animals is bilaterally symmetrical and triploblastic?

- (a) Aschelminthes (round worms)
- (b) Ctenophores
- (c) Sponges
- (d) Coelenterates (Cnidarians)

Answer : a

18. The largest invertebrate animal is

- (a) whale
- (b) giant squid
- (c) shrew
- (d) python

Answer : b

19. Spider web is formed by a fluid secreted by its

- (a) abdominal gland
- (b) salivary gland
- (c) cephalothorax
- (d) None of these

Answer : a

20. Which of the following group of animals maintains high and constant body temperature such as mammals ?

- (a) Reptiles
- (b) Amphibians
- (c) Birds
- (d) Fishes

Answer : c

21. Insects have

- (a) 2 pairs of legs
- (b) 3 pairs of legs
- (c) 4 pairs of legs
- (d) 1 pair of legs

Answer : b

22. Which type of respiratory organs are present in spiders and scorpions ?

- (a) Book lungs
- (b) Gills
- (c) Gill books
- (d) Lungs

Answer : a

23. Which one of the following has an open circulatory system?

- (a) Pheretima
- (b) Periplaneta
- (c) Hirudinaria
- (d) Octopus

Answer : b

24. Bone marrow is absent in

- (a) reptiles
- (b) amphibians
- (c) birds
- (d) mammals

Answer : c

25. Mammalian egg has

- (a) no yolk at all
- (b) small amount of yolk
- (c) large amount of yolk
- (d) yolk concentrated at one pole

Answer : b

26. Haemocoel is found in

- (a) Hydra and Aurelia
- (b) Taenia and Ascaris
- (c) Cockroach and Pila
- (d) Balanoglossus and Herdmania

Answer : c

27. The modern man differs from the apes in

- (a) protruding eyes
- (b) sparse body hair
- (c) wearing of clothes
- (d) arms shorter than legs

Answer : d

28. Animals undergoes inactive stage during winter is known as

- (a) aestivation
- (b) hibernation
- (c) adaptation
- (d) acclimitization

Answer : b

29. Which one is not correct?

- (a) Humans – Ureotelic
- (b) Birds – Uricotelic
- (c) Lizards – Uricotelic
- (d) Whale – Ammonotelic

Answer : d

30. Wild life is

- (a) any living organism in any habitat
- (b) predatory animals in their natural habitat
- (c) any living organisms in its natural habitat
- (d) economically important animals and plants

Answer : c

31. Which one of the following is a living fossil?

- (a) Limulus
- (b) Locusta

- (c) Bombyx
- (d) Laccifer

Answer : a

32. Which one of the following is a blood sucking animal ?

- (a) Nereis
- (b) Pheretima
- (c) Hirudinaria
- (d) Ancylostoma

Answer : c

33. The characteristics of class Reptilia are :

- (a) Body covered with dry and cornified skin, scales over the body are epidermal, they do not have external ears.
- (b) Body covered with moist skin which is devoid of scales, the ear is represented by a tympanum, alimentary canal, urinary and reproductive tracts open into a common cloaca.
- (c) Fresh water animals with bony endoskeleton, air-bladder to regulate buoyancy.
- (d) Marine animals with cartilaginous endoskeleton, body covered with placoid scales.

Answer : a

34. Malpighian tubules are

- (a) excretory organs of insects
- (b) excretory organs of annelids
- (c) respiratory organs of insects
- (d) respiratory organs of annelids

Answer : a

35. Skin is a respiratory organ in

- (a) lizards
- (b) birds
- (c) primitive mammals

(d) frog

Answer : d

36. Silk thread is obtained from silk moth during

(a) pupal state

(b) larval state

(c) nymph state

(d) adult state

Answer : a

37. Flight muscles of birds are attached to

(a) clavicle

(b) keel of sternum

(c) scapula

(d) coracoid

Answer : b

38. Classification of porifera is based on

(a) branching

(b) spicules

(c) reproduction

(d) symmetry

Answer : b

39. Metamorphosis of insects is regulated through hormone

(a) pheromone

(b) thyroxine

(c) ecdysone

(d) All of the above

Answer : c

40. Which one occurs in Echinodermata ?

(a) Bilateral symmetry

(b) Radical symmetry

(c) Porous body

(d) Soft skin

Answer : b

41. A. Periplaneta americana is nocturnal, omnivorous, household pest. R. It is because it acts as scavenger.

- (a) A is true but R is false
- (b) A is false but R is true
- (c) Both A and R are true and R is correct explanation of A
- (d) Both A and R are true but R is not correct explanation of A

Answer : c

42. Bull Frog of India is

- (a) Rana tigrina
- (b) R. sylvatica
- (c) R. ecutesbeiana
- (d) R. esculenta

Answer : a

43. All chordates possess

- (a) exoskeleton
- (b) limbs
- (c) skull
- (d) axial skeletal rod of notochord

Answer : d

44. A common characteristic of all vertebrates is

- (a) presence of skull
- (b) division of body into head, neck, trunk and tail
- (c) presence of two pairs of functional appendages
- (d) body is covered with an exoskeleton

Answer : a

45. Pneumatic bones are expected to be found in

- (a) pigeon
- (b) house lizard
- (c) frog's tadpole
- (d) flying fish

Answer : a

46. The long bones are hollow and connected by air passages these are characteristics of

- (a) mammals
- (b) reptiles
- (c) birds
- (d) all land vertebrates

Answer : c

47. Cause of mimicry is

- (a) concealment
- (b) attack (offence)
- (c) protection (defence)
- (d) both (b) and (c)

Answer : a

48. Animals/organisms floating on the surface of water are

- (a) plankton
- (b) pelagic
- (c) benthos
- (d) neritic

Answer : a

49. Earthworms are

- (a) useful
- (b) harmful
- (c) more useful than harmful
- (d) more harmful

Answer : a

50. A chordate character is

- (a) gills
- (b) spiracles
- (c) postanal tail
- (d) chitinous exoskeleton

Answer : c

1. Who proposed artificial system of classification

- A. John Ray
- B. Lamarck
- C. Linnaeus
- D. Wallace

Answer :C

2. Which class has the largest number of animals?

- A. Fishes
- B. Reptiles
- C. Insects
- D. Mammals

Answer : c

3. Which organism possesses characteristics of plants and animals?

- A. Bacteria
- B. Monera
- C. Euglena
- D. Mycoplasma

Answer : c

4. The _____ are undifferentiated embryonic cells and produce the sex cells as well.

- A. Thesocytes
- B. Myocytes
- C. Archaeocytes
- D. Chromocytes

Answer : C

5. Which one of the following groups of animals is bilaterally symmetrical and triploblastic?

- A. Sponges
- B. Coelenterates (Cnidarians)
- C. Aschelminthes (round worms)
- D. Ctenophores

Answer : C

6. Identify the characteristic of acoelomates

- A. Absence of mesoderm
- B. Absence of brain
- C. Coelom that is incompletely lined with a mesoderm
- D. Solid body without a cavity surrounding internal organs

Answer : d

7. Salamander belongs to the class

- A. Pisces
- B. Aves
- C. Reptiles
- D. Amphibian

Answer : d

8. Association between sucker fish (Remora) and shark is

- A. commensalism
- B. symbiosis
- C. predation
- D. parasitism.

Answer : a

9. Which of the following combinations is incorrect?

- A. Nematoda- roundworms, pseudocoelomate
- B. Calcarea- gastrovascular cavity, coelom present
- C. Echinodermata- coelom present, bilateral symmetry
- D. Platyhelminthes- gastrovascular cavity, flatworms, acoelomate

Answer : b

10. Both male and female pigeons secrete milk through

- A. salivary glands
- B. modified sweat glands
- C. crop
- D. gizzard.

Answer : c

11. Flame cells are the excretory structures for

- A. Annelida

- B. Coelenterates
- C. Platyhelminthes
- D. Echinodermata

Answer : c

12. Phylum Porifera is classified based on

- A. Branching
- B. Symmetry
- C. Spicules
- D. Reproduction

Answer : c

13. Bird vertebrae are

- A. acoelous
- B. heterocoelous
- C. amphicoelous
- D. procoelous.

Answer : b

14. The canal system in sponges develops due to

- A. Porous walls
- B. Gastrovascular system
- C. Reproduction
- D. Folding of inner walls

Answer : d

15. Select the correct pair

- A. Arthropoda- silver fish
- B. Pisces- jelly fish
- C. Echinodermata- cuttle fish
- F. Mollusca- star fish

Answer : a

16. Jelly fish belongs to class

- A. hydrozoa
- B. scyphozoa
- C. anthozoa

D. none of these.

Answer : b

17. Which group does not contain polyp?

- A. Anthozoa
- B. Hydrozoa
- C. Scyphozoa
- D. Calcarea

Answer : d

18. Cnidaria is characterized by

- A. Tissue level of organization
- B. Nematoblasts
- C. Coelenteron
- D. All

Answer : d

19. Kala-azar and Oriental Sore are spread by

- A. housefly
- B. bed bug
- C. sand Fly
- D. fruit Fly

Answer : c

20. Notochord occurs throughout life and all through the length of the body in

- A. Cephalochordata
- B. Hemichordata
- C. Urochordata
- D. Vertebrata

Answer : a

21. Periplaneta belongs to which phylum?

- A. Mollusca
- B. Arthropoda
- C. Annelida

D. Echinodermata

Answer : b

22. The excretory structures of flatworms/ Taenia are

- A. flame cells
- B. protonephridia
- C. malpighian tubules
- D. green glands.

Answer : a

23. Which of the following characters is not typical to class Mammalia?

- A. Alveolar lungs
- B. Seven cervical vertebrae
- C. Thecodont dentition
- D. Ten pairs of cranial nerves

Answer : d

24. Radial symmetry is found in

- A. Coelenterata and Platyhelminthes
- B. Coelenterata and Echinodermata
- C. Arthropoda and Mollusca
- D. Porifera and Coelenterata

Answer : b

25. Homeostasis is

- A. tendency to change with change in environment
- B. tendency to resist change
- C. disturbance in regulatory control
- D. plants and animal extracts used in homeopathy.

Answer : b

1. Which of the following events does not occur in rough endoplasmic reticulum_____

- (a) Cleavage of signal peptide
- (b) Protein glycosylation
- (c) Protein folding
- (d) Phospholipid synthesis

Answer: D

2. Many ribosomes may associate with a single mRNA to form multiple copies of a polypeptide simultaneously. Such strings of ribosomes are termed as_____

- (a) Plastidome
- (b) Polyhedral bodies
- (c) Nucleosome
- (d) Polysome

Answer:D

3. Which one of the following is not a constituent of cell membrane?

- (a) Glycolipids
- (c) Phospholipids
- (6) Proline
- (d) Cholesterol

Answer: B

4. The main organelle involved in modification and routing of newly synthesised proteins to their destination is _____

- (a) Mitochondria
- (b) Endoplasmic reticulum
- (c) Lysosome
- (d) Chloroplast

Answer: B

5. Microtubules are constituents of _____

- (a) Centrosome, nucleosome and centrioles
- (b) Cilia, flagella and peroxisomes
- (c) Spindle fibres, centrioles and cilia
- (d) Centrioles, spindle fibres and chromatin

Answer: C

6. A cell organelle containing hydrolytic enzyme _____

- (a) Lysosome
- (b) Ribosome

- (c) Mesosome
- (d) Microsome

Answer: A

7. Which of the following structures is not found in a prokaryotic cells?

- (a) Plasma membrane
- (b) Nuclear envelope
- (c) Ribosome
- (d) Mesosome

Answer: B

8. Cellular organelles with membranes are_____

- (a) Lysosomes, Golgi apparatus and mitochondria
- (b) Nuclei, ribosomes and mitochondria
- (c) Chromosomes, ribosomes and endoplasmic reticulum
- (d) Endoplasmic reticulum, ribosomes and nuclei

Answer: A

9. Chromatophores take part in_____

- (a) Photosynthesis

- (b) Movement
- (c) Respiration
- (d) Growth

Answer: A

10. The structure that help some bacteria to attach to rocks and for host tissues are _____

- (a) Holdfast
- (b) Rhizoids
- (c) Fimbriae
- (d) Mesosomes

Answer: C

11. Select the mismatch:

- (a) Gas vacuoles - Green bacteria
- (b) Large central vacuoles - Animal cells
- (c) Protists - Eukaryotes
- (d) Methanogens - Prokaryotes

Answer: B

12. Water soluble pigments found in plant cell _____

- (a) Anthocyanins
- (b) Chlorophylls
- (c) Xanthophylls
- (d) Carotenoids

Answer: A

13. Mitochondria and chloroplast are _____

- (a) Semi-autonomous organelles
- (b) Formed by division of pre-existing organelles and they contain DNA but lack protein synthesizing machinery

Which one of the following options is correct?

- (a) Both (a) and (b) are false
- (b) Both (a) and (b) are correct
- (c) (b) is true but (a) is false
- (d) (a) is true but (b) is false

Answer: D

15. The Golgi complex participates in _____

- (a) Respiration in bacteria
- (b) Formation of secretory vesicles
- (c) Fatty acid breakdown

(d) Activation of amino acid

Answer : B

1) which of the following carbohydrates is monosacharider?

- a) Glucose
- b) fructose
- c) Galactose
- d) Ribose

Answer -: c

2) Which of the following is a polysaccharide?

- a) Cellulose
- b) Sucrose
- c) Galactose
- d) Malose

Answer -: a

3) Maltose is hydrolysed in the presence of maltase to_____

- a) Glucose
- b Glucose and fructose
- c) Glucose and galactose
- d) fructose

Answer -: a

4) The disaccharide present in milk is _____

- a) Maltose
- b) Lactose
- e) Sucrose
- d) Cellobiose

Answer -: b

5) Which of the following is a ketohexose?

- a) fructose
- b) glucose
- C) Ribose
- d) Starch

Answer -: a

6) Which of the following has maximum Sweetness?

- a) Glucose
- b) Fructose
- c) Sucrose
- d) Maltose

Answer -: b

7) Which of the following does not give silver mirror with Tollen's reagent?

- a) Sucrose
- b) Glucose
- c) Fructose
- d) Lactose

Answer -: a

8) glucose is oxidised to carbon dioxide and water with oxygen in the presence of enzyme.

- a) Maltose
- b) d-amylase
- c) Lactose
- d) Oxidase

Answer -: d

9) The change in optical rotation of a freshly prepared solution of glucose with time is called_____

- a) Specific rotation
- b) Optical inversion
- c) Muta rotation
- d) Racemisation

Answer -: c

10) Which of the following is not a α -amino acid ?

- a) Serine
- b) Aspartic acid
- c) Phenylalanine
- d) Thymine

Answer -: d

11) Alanine is _____

- a) an enzyme
- b) purine base of nucleic acid
- c) hormone
- d) α -amino acid

Answer -: d

12) Glycine reacts with nitrous acid to give _____

- a) Glycine nitrite
- b) Methyl alcohol and methylamine
- c) Glycolic acid
- d) Ethyl glycinate

Answer -: c

13) Which of the following carbohydrate is found most abundantly in nature?

- a) Glucose
- b) Fructose
- c) Starch
- d) Cellulose

Answer -: a

14) Hydrolysis of sugar is called_____

- a) saponitication
- b) amutarotauon
- c) inversion
- d) diesterlicato

Answer -: c

15) Fat consists of_____

- a) Monohydroxy carboxylic acid
- b) Monohydroxy aliphatic carboxylic acid
- c) Monohydroxy aliphatic, saturated carboxylic acid
- d) Dihydroxyl aliphatic carboxylic acid

Answer -: c

16) Vegetable oils are_____

- a) glycerides of unsatarated fatty acids

- b) glycerides of saturated fatty acids
- C) sodium salts of higher fatty acids
- d) mixture of sodium and potassium salts of lower acids

Answer -: a

17) phospholipids are esters of glycerol with_____

- a) three phosphate groups
- b) three carboxylic acid residues
- c) two carboxylic acid residues and one phosphate groups
- d) one carboxylic acid residues and one phosphate groups

Answer -: c

18) One gram of fat gives_____

- a) same amount of energy as one gram of carbohydrate
- b) Same amount of energy as one gram of protein
- C) More than twice the energy as one gram of carbohydrate or protein
- d) less energy than one gram of carbohydrate or protein

Answer -: c

19) What happens when highly unsaturated oils are exposed to light and moist air?

- a) isomerisation

- b) polymerisation
- c) rancidification
- d) fermentation

Answer -: c

20) Animal fats are glycerides of_____

- a) fatty acids
- b) saturated fatty acids
- c) saturated aliphatic acids
- d) saturated aliphatic monocarboxylic acids

Answer -: d

21) Which of the following statements are not true?

- a) Fats and oils are stored source of energy
- b) They provide more energy than proteins or carbohydrates
- c) They help in absorbing the vitamins A and D
- d) Fats are soluble in water

Answer -: d

22) Which one of the following is not an oil?

- a) linseed oil
- b) paraffin oil

- c) coconut oil
- d) groundnut oil

Answer -: b

23) Vitamin D is also known as_____

- a) growth vitamins
- b) ascorbic acid
- c) reproductive vitamin
- d) sunshine vitamin

Answer -: d

24) Which of the following vitamins present in cod-liver oil?

- a) A
- b) B12
- c) C
- d) B1

Answer -: a

25) Which of the followings protein hormones?

- a) oxytocin
- b) insulin
- c) both (a) and (b)

d) ribose

Answer -: c

26) insulin, a protein acts as_____

a) an antibody

b) hormone

c) an enzyme

d) a transport agent

Answer -: b

27) The most abundant organic constituents of plants are_____

a) alcohols

b) carbohydrates

c) proteins

d) fats

Answer -: b

28) Aldotetroses consist of two chiral carbon atoms and they exist in _____

a) 2 optically active forms

b) 8 optically active forms

c) 4 optically active forms

d) 6 optically active forms

Answer -: c

29) Magnesium is present in _____

- a) casein
- b) keratin
- c) haemoglobin
- d) chlorophyll

Answer -: d

30) Iron is a constituent of _____

- a) haemoglobin
- b) chlorophyll
- c) hormones
- d) proteins

Answer -: a

31) Glucose gives silver mirror test with Tollen's reagent.

It shows the presence of _____

- a) aldehydic group
- b) ketonic group
- c) acidic group
- d) alcoholic group

Answer -: a

32) The colour of precipitate formed when a reducing sugar is heated with Tollen's reagent?

- a) Blue
- b) Green
- c) Brown
- d) Gray

Answer -: d

33) The most important food reserves of animals are_____

- a) carbohydrates
- b) vitamins
- c) proteins
- d) fats

Answer -: d

34) Oxidation of glucose by dil. HNO_3 , gives glucaric acid .This reaction suggest that the presence of_____

- a) aldehyde group
- b) 1° - alcoholic group
- c) 2° - alcoholic group
- d) ketone group

Answer -: b

35) Maltose is made up of _____

- a) α -D-glucose
- b) D-glucose
- c) α -D-glucose and β -D-glucose
- d) glucose and fructose

Answer -: a

36) D-glucose and D-galactose differ in configuration at _____

- a) C-1
- b) C-2
- c) C-3
- d) C-4

Answer -: d

37) α -D(-)fructose and β -D(-) fructose are _____

- a) anomers
- b) epimers
- c) diastereoisomers
- d) tautomers

Answer -: a

38) In cyclic structure of maltose, acetal bond is formed between_____

- a) C-2 of one glucopyranose and C-2 of another glucopyranose
- b) C-1 of one glucopyranose and C-2 of another glucopyranose
- c) C-1 of one glucopyranose and C-4 of another glucopyranose
- d) C-1 of one glucopyranose and C-4 of another glucopyranose

Answer :- c

39) Maltose contain_____

- a) 2-4- α -d-acetal bond
- b) 1-2- α -acetal bond
- c) 1-4- β -acetal bond
- d) 1-4- α -acetal bond

Answer :- d

40) Glucose is said to have-CHO group. Which of the following reaction is not expected with glucose_____

- a) it does not form oxime
- b) it does not react with RMgX reagent
- c) it does not reduce Tollen's reagent
- d) it does not form osazone

Answer :- b

1. The kidneys are located_____

- (a) Withn the coelom
- b) Near the buccal cavity
- (C) Near the heart
- (d) outside the coelom

Answer : d

2. position ot Kidneys is _____

- (a) Interperitoneal
- (b) Retroperitoneal
- (c) Intraperitoneal
- (d) None of these

Answer : b

3. The retroperitoneal kidney is_____

- (a) Kidney of fish
- (b) Kidney covered by peritoneum on ventral side
- (c) Kidney covered by peritoneum on dorsl side
- (d) Kidney uncovered by peritoncum on either side

Answer : b

4. The smallest functional unit of kidney is_____

- (a) Nephron
- (b) Collecting tube
- (C) Glomerulus
- (d) Bowman's capsule

Answer : a

5. Main function of loop of Henle is_____

- (a) Absorption of water
- (b) Absorption of sugar
- (c) Absorption of sodium
- (d) Secretion of tons

Answer : a

6. Renin is released from_____

- (a) Juxtaglomerular apparatus
- (b) Cortical nephron
- (e) Collecting duct
- (d) Pelvis

Answer : a

7. Vital morphological and physiological units of mammalian kidney are_____

- (a) Ureters
- (b) Seminiferous tubules
- (c) Uriniferous tubules
- (d) Nephridia

Answer : c

8. Columns of Bertini are found in_____

- (a) Testes
- (b) Ovaries
- (c) Kidney
- (d) Liver

Answer : c

9. Ureotelic animals

- (a) Lack urease
- (b) Do not excrete urea
- (c) Cannot form uric acid
- (d) Live in water

Answer : a

10. The trigone is_____

- (a) A urine filled cavity within the kidney
- (b) A muscular sphincter at the neck of the urinary bladder
- (C) A Shmooth connective tissue region in the urinary bladder
- (d) A tunic of the ureter

Answer : c

11. The bunch of capillaries present in the Bowman's capsule is called_____

- (a) Pacinian corpuscle
- (b) Bowman's capsule
- (c) Malpighian capsule
- (d) Glomerulus

Answer : d

12.The number of excretory pores that open outside when the last Proglottid of the tapeworm is separated is/are

- (a) Four
- (b) Three
- (c) two

(d) One

Answer : c

13. which blood vessel takes blood away from the kidney?

(a) Renal portal vein

(b) Afferent arteriole

(c) Renal vein

(d) Efferent arteriole

Answer : c

14. why do we pass more urine during winter and wet seasons'?

a) Increased ADH secretion

(b) Increased activity of kidneys

(C) Decreased water absorption by nephrons

(d) Reduced sweating

Answer : d

15. Duct of Bellini is connected with_____

(a) Collecting duct

(b) DCT

(c) Papilla

(d) Ureter

Answer : a

16. Henle's loop is found in_____

(a) Seminiferous tubules of frog

(b) Seminiferous tubules of rabbit

(c) Nephron of mammals

(d) Nephron of frog

Answer : c

17. Duct of Bellini opens on_____

(a) Ureter

(b) Renal papilla

(c) Duodenum

(d) DCT

Answer : b

18. Malpighian tubules remove excretory products from_____

(a) Haemolymph

6) Alimentary canal

(c) Both (a) and (b)

(d) None of these

Answer : a

19. Na⁺ and Cl are absorbed in kidney in the region of _____

(a) Ascending limb of Henle's loop

(b) Descending limb of Henle's loop

(c) DCT

(d) PCT

Answer : a

20. A fish excretes nitrogen in the form of _____

(a) Ammonium ions

(b) Amino acid

(c) Uric acid

(d) Urea

Answer : a

21. If we remove the pressure receptors from the urinary bladder wall then _____

- (a) There will be no micturition
- (b) Micturition will continue
- (c) There will be no collection of urine in bladder
- (d) Urine will collect in the bladder

Answer : d

22. A man takes large amount of proteins. He is likely to excrete more amount of _____

- (a) Uric acid
- (b) Sugar
- (c) Amino acids
- (d) Urea

Answer : d

23. Volume of urine is regulated by _____

- (a) ADH
- (b) Aldosterone
- (c) ADH and aldosterone
- (d) ADH, aldosterone and testosterone

Answer : d

24. Which among the following are uricotelic animals?

- (a) Man, monkey, catle
- (b) Sepa, Aplysia and teleost fishes
- (c) Lizards, crows, pigeons
- (d) Tadpoles of frogs

Answer : c

25. The main function of loop of Henle is the reabsorption of water from the contents of renal tubules. In which of the following will the loop of Henle be poorly developed or even absent ?

- (a) Desert mouse
- (b) Carnivorous bird
- (c) Freshwater fish
- (d) Garden Lizard

Answer : c

26. Presence of blood in urine is known as_____

- (a) Albuminuria
- (b) Ketonuria
- (c) Anuria
- (d) Haematuria

Answer : d

27. In the ornithine cycle, the enzyme arginase breaks down arginine into_____

- (a) Citrulline and urea
- (b) Ornithine and ammonia
- (c) Ornithine and urea
- (d) Citrulline and ammonia

Answer : c

28. Maximum absorption of water in mammals is in

- (a) Lungs
- (b) Small intestine
- (c) Kidney
- (d) Skin

Answer : c

29. Kidneys are not the only organs of excretion. Their work is supplemented by_____

- (a) Liver
- (b) Heart
- (c) Large intestine

(d) Skin

Answer : a

30. The enzyme which converts angiotensinogen to angiotensin I is called _____

(a) Angiotensinase

(b) Rennin

(c) Renin

(d) Rennet

Answer : c

Chapter # 01

1. Evolutionary processes have resulted in approximately _____ million species, of which 1.4 million species have been described

- A) 2
- B) 3
- C) 4
- D) 100

2. Ideas concerning the theory of organic evolution were published and supported with convincing evidence by Charles Darwin in

- A) 1602.
- B) 1750.
- C) 1859.
- D) 1923.

3. Through the year 2000, about 92% of population growth occurred in

- A) less developed countries.
- B) the United States.
- C) Europe.
- D) Asia.

4. The one environmental problem that is the root of all other environmental problems is

- A) pollution.
- B) depletion of fossil fuels.
- C) deforestation.
- D) over population.

5. The first part of the binomial name of an animal is the

- A) species.
- B) genus.
- C) family.
- D) order.

6. The study of interactions between organisms and their environment is

- A) cytology.
- B) physiology.
- C) ecology.
- D) systematics.

7. The study of birds is

- A) ornithology.
- B) mammalogy.
- C) ichthyology.
- D) herpetology.

8. Evolutionary theory helps explain

- A) the diversity of life.
- B) the relationships within animal groups.
- C) the behavior of animals.
- D) All of the above are correct.

9. The human population is expected to exceed _____ by the year 2010.

- A) 5 billion
- B) 10 billion
- C) 250 million
- D) 6 billion

10. By the year 2001, the human population of the earth surpassed the benchmark of 6 billion and is now 6.3 billion

- A) True
- B) False

Answers are:::

1>c

2>c

3>a

4>d

5>b

6>c

7>a

8>d

9>b

10>a

Chapter # 02

11. Prokaryotic cells do not have

- A) centrioles
- B) DNA.
- C) cytoskeletons.
- D) cell walls.

12. All eukaryotic cells have three basic parts. Which of the following is not a basic part of a typical eukaryotic cell?

- A) nucleus
- B) cytoplasm
- C) plasma membrane
- D) nucleoid

13. Which of the following is not a function of the cell's glycocalyx?

- A) transport
- B) cell-to-cell recognition
- C) behavior
- D) recognition

14. The ability of the plasma membrane to let some substances in and keep others out is called

- A) homeostasis.
- B) selective permeability.
- C) facilitated diffusion.
- D) osmosis.

15. Energy is required for

- A) simple diffusion.
- B) facilitated diffusion.
- C) osmosis.
- D) active transport.

16. The bulk movement of material into a cell by the formation of a vesicle is called

- A) simple diffusion.
- B) facilitated diffusion.
- C) endocytosis.
- D) osmosis.

17. If hydrostatic pressure is used to move a molecule through a membrane, this is termed

- A) filtration.
- B) osmosis.
- C) active transport.
- D) endocytosis.

18. _____ are the non-membrane bound structures that are the sites for protein synthesis

- A) Centrioles
- B) Lysosomes
- C) Ribosomes
- D) Vacuoles

19. Which of the following organelles functions in the digestion of materials?

- A) lysosomes
- B) ribosomes
- C) vesicles
- D) microfilaments

20. Which of the following is not found within a mitochondrion?

- A) DNA
- B) matrix
- C) cristae
- D) RNA

21. which of the following is not part of cytoskeleton of a eukaryotic cells?

- A) microtubules
- B) microfilaments
- C) intermediate filaments
- D) cilia

22. The centrioles arise from the

- A) microtubule-organizing center.
- B) microfilament-organizing center.
- C) basal body.
- D) nuclear envelope.

23. The type of connective tissue that stores lipids is called

- A) adipose tissue.
- B) blood tissue.
- C) epithelial tissue.
- D) storage tissue.

24. Cells involved with protection, support, and nourishment within the nervous system are called

- A) neurons.
- B) glial cells.
- C) impulse conducting cells.

D) nerves.

25. _____ are the functional units of an animal's body.

A) Cells

B) Tissues

C) Organs

D) Systems

26. The highest level of organization in an animal's body is the _____ level.

A) Cells

B) Tissues

C) Organ

D) Organ system

27. All of the following are types of connective tissue except

A) Blood

B) Bone

C) Nervous

D) Cartilage

28. The heart is a good example of an organ system.

A) True

B) False

29. Intercalated disks would be found in smooth muscle cells.

A) True

B) False

30. Collagenous fibers would be found in fibrocartilage

A) True

B) False

31. Simple squamous epithelium is found in the air sacs of the lungs.

A) True

B) False

32. Stratified squamous epithelium is found on the surface of the skin.

A) True

B) False

33. Both cilia and flagella function in movement.

A) true

B) false

34. The Golgi apparatus consists of stacks of cisternae

A) True

B) False

Answers::::

11.a

12.d

13.a

14.b

15.d

16.c

17.a

18.c

19.a

20.d

21.

22.a

23.a

24.b

25.c

26.d

27.c

28.b

29.b

30.a

31.a

32.a

33.a

34.a

Chapter # 03

35. The period from the time a cell is produced until it completes mitosis is called the

- A) mitotic phase.
- B) cell cycle.
- C) cytokinesis phase.
- D) G1 phase.

36. Most of the cell cycle is occupied by the

- A) G1 phase.
- B) G2 phase.
- C) S phase.
- D) interphase.

37. Chromosome replication occurs during the _____ of mitosis.

- A) G1 phase.
- B) G2 phase.
- C) S phase.
- D) interphase.

38. A copy of a chromosome produced by replication is called a

- A) chromatid.
- B) daughter chromosome.
- C) sister chromosome.
- D) both b and c.

39. The microtubules of the mitotic spindle are attached to the

- A) kinetochore.
- B) centromere.
- C) centrosome.
- D) all of the above (a-c).

40. Chromosomes become visible with the light microscope during _____ phase.

- A) prophase
- B) metaphase
- C) anaphase
- D) telophase

41. The mitotic spindle disassembles during what phase of mitosis?

- A) prophase
- B) metaphase
- C) anaphase
- D) telophase

42. Chromosome replication occurs during the _____ of mitosis.

- A) G1 phase
- B) G2 phase
- C) S phase
- D) interphase

43. During prophase I of meiosis, homologous chromosomes line up side-by-side in a process called

- A) genetic recombination.
- B) meiosis II.
- C) synapsis.
- D) crossing over.

44. Crossing over results

- A) synapsis.
- B) syngamy.
- C) genetic recombination.
- D) dyad formation.

45. Spermatogenesis gives rise to _____ sperm cells.

- A) 1
- B) 2
- C) 3
- D) 4

46. In the DNA molecule, the base adenine pairs with the base

- A) guanine.
- B) cytosine.
- C) thymine.
- D) uracil.

46. A DNA nucleotide consists of all of the following EXCEPT:

- A) a base.
- B) ribose.
- C) deoxyribose.
- D) phosphate.

47. During protein synthesis, _____ is produced in the nucleus and carries the genetic code to the cytoplasm.

- A) transfer RNA
- B) messenger RNA
- C) ribosomal RNA
- D) deoxynucleotide

48. _____ involves the formation of a polypeptide chain at the: _____.

- A) Transcription/nucleus
- B) Transcription/ribosome
- C) Translation/nucleolus
- D) Translation/ribosome

49. A sequence of three bases in mRNA that codes for an amino acid is a

- A) nucleotide.
- B) nucleoside.
- C) codon.
- D) anticodon.

50. The _____ carries amino acids to the ribosome where a polypeptide is assembled.

- A) transfer RNA
- B) messenger RNA
- C) ribosomal RNA
- D) deoxynucleotide

51. During protein synthesis at the ribosome, the _____ pairs with:

- A) nucleotide/nucleoside
- B) codon/anticodon
- C) codon/amino acid
- D) mRNA/DNA

52. All of the following statements regarding DNA and RNA are true except one. Select the false statement

- A) RNA is single stranded, and DNA is double stranded.
- B) RNA contains the base thymine, and DNA contains the base uracil.
- C) RNA is found in the nucleus and cytoplasm, and DNA is mainly in the nucleus.

D) RNA contains the sugar ribose, and DNA contains the sugar deoxyribose.

53. Which of the following are pyrimidine bases found in RNA?

- A) adenine and guanine
- B) cytosine and thymine
- C) adenine and uracil
- D) cytosine and uracil

54. DNA replication is said to be semiconservative because

- A) it is remarkably error free.
- B) it results in one new DNA molecule and one parental molecule.
- C) it results in two DNA molecules, each consisting of one new and one parental strand.
- D) it results in two completely new parental molecules.

55. The fact that more than one codon in mRNA can code for a particular amino acid is referred to as

- A) degeneracy.
- B) homology.
- C) wobble.
- D) antiparallel.

56. Which of the following occurs during transcription?

- A) Messenger RNA is produced.
- B) Transfer RNA delivers amino acids to a ribosome.
- C) Codons pair with anticodons.
- D) A new strand of DNA is synthesized.

57. Which of the following occurs at the beginning of translation?

- A) A UGA codon is aligned with the P site of the ribosome.
- B) An AUG codon is aligned with the P site of the ribosome.
- C) RNA polymerase recognizes a promotor.
- D) Two strands of DNA are separated.

58. Homologous chromosomes carry genes for the same traits, but not necessarily for the same expression of the traits

A) True

B) False

59. Genetic recombination or crossing over is a major form of genetic variation.

A) True

B) False

60. Prophase begins once daughter chromosomes appear at opposite poles of the cell.

A) True

B) False

61. The 5' end of one DNA strand would be directly across from the 3' end of the sister strand. The term antiparallel refers to this condition

A) True

B) False

62. There are 20 different codons, one for each naturally occurring amino acid.

A) True

B) False

63. Point mutations are the source of new genetic material and account for evolutionary change. Most point mutations are detrimental

A) True

B) False

64. Nondisjunction usually results in portions of chromosomes breaking and reattaching in novel ways.

A) True

B) False

65. An animal that is heterozygous for a particular trait would possess two alleles for that trait.

A) True

B) False

66. Independent assortment is explained by events occurring during the second division of meiosis.

A) True

B) False

67. The visual expression of alleles is called the phenotype

A) True

B) False

68. Codominance occurs when two alleles are expressed equally and the offspring resemble neither parent

A) True

B) False

Answers::::

35.b

36.d

37.c

38.a

39.a

40.a

41.d

42.c

43.c

44.c

45.c

46.d

47.c

48.b

49.b

50.d

51.c

52.a

53.b

54.b

55.d

56.c

57.a

58.a

59.b

60.a

61.a

62.b

63.a

64.b

65.a

66.b

67.a

68.b

Chapter # 04

69. Which of the following individuals was an early proponent of evolution? Even though his explanation of how change in species occurs was incorrect, he was steadfast in promoting ideas of evolutionary change.

A) Alfred Russel Wallace

B) Charles Darwin

C) Jean Baptiste Lamarck

D) Godfrey H. Hardy

70. According to Charles Darwin, evolution is most closely related to which concept?

A) natural selection

B) scientific creationism

C) inheritance of acquired characteristics

D) absence of change in a species

71. The idea that the earth is shaped today by the forces of wind, rain, rivers, volcanoes, and geological uplift—just as it has been in the past—is known as

A) uniformitarianism. B) phyletic gradualism. C) punctuated equilibrium. D) natural selection.

72. The idea that the earth is shaped today by the forces of wind, rain, rivers, volcanoes, and geological uplift—just as it has been in the past—was developed by

- A) Charles Darwin.
- B) Alfred Russel Wallace.
- C) James Hutton and Charles Lyell.
- D) John Henslow.

73. The discovery of fossils of horses, giant armadillos, and giant sloths in South America suggested to Charles Darwin that:

- A) horses evolved in Europe and were brought to America by early explorers.
- B) the species composition of the earth has changed through geological history.
- C) little change in South American life forms occurred since they originated.
- D) catastrophic events led to the extinction of mammals in South America.

74. The formation of new species from an ancestral species in response to the opening of new habitats is:

- A) neutral selection.
- B) natural selection.
- C) neo-Darwinism.
- D) adaptive radiation.

75. All of the following are a part of the theory of evolution by natural selection except one. Select the exception

- A) All organisms have a far greater reproductive potential than is ever realized.
- B) Inherited variations arise as a result of encountering an environmental challenge that must be overcome.
- C) There is a constant struggle for existence, and many individuals die.
- D) Adaptive traits are perpetuated in subsequent generations because individuals with less adaptive traits are less likely to reproduce than individuals with more adaptive traits.

76. The combination of Darwinian evolutionary theory and population genetics is referred to as the:

- A) modern synthesis or neo-Darwinism.
- B) biogeography.
- C) adaptation theory.
- D) adaptive radiation.

77. The development of pesticide resistance in crop pests is an example of

- A) macroevolution.
- B) convergent evolution.
- C) microevolution.
- D) minievolution.

78. Structures and processes that are derived from a common ancestor are said to be

- A) analogous.
- B) homologous.
- C) convergent.
- D) divergent.

79. The study of fossils is called

- A) geology.
- B) biogeography.
- C) comparative anatomy.
- D) paleontology.

80. The theory of uniformitarianism was important for Charles Darwin's ideas because it indicated that the earth was much older than 6,000 years and that the face of the earth changed gradually over its history.

- A) True
- B) False

81. Ancestral finches encountered habitats in the Galapagos Islands that were devoid of other birds and predators. They rapidly multiplied and filled ecological roles that were unusual for finches on the mainland. This account is an example of adaptive radiation

A) True

B) False

82. Natural selection is a positive force that selects from individuals with adaptive traits, allowing them to reproduce

A) True

B) False

83. Evolutionary adaptations lead to perfection in a species

A) True

B) False

84. Variations on which natural selection acts arise as a result of random mutations. A new variation may, or may not, be adaptive.

A) True

B) False

85. In a fossil bed, older fossils would be found above younger fossils.

A) True

B) False

86. Natural selection involves detrimental traits being eliminated from a population by the failure of the organism containing them to reproduce.

A) True

B) False

87. An adaptation present in an organism in one environment may be maladaptive in another environment

A) True

B) False

88. Over long periods of time, microevolutionary changes may result in macroevolution

A) True

B) False

89. New structures and processes are usually the result of evolutionary changes in existing structures and processes

A) True

B) False

90. The results of convergent evolution are correctly depicted in tree diagrams

A) True

B) False

Answers:::::

69.c

70.a

71.a

72.c

73.b

74.d

75.b

76.a

77.c

78.b

79.d

80.a

81.a

82.b

83.b

84.a

85.b

86.a

87.a

88.a

89.a

90.b

Chapter #5

1. A change in the frequency of alleles in a population is the definition of

- A) natural selection.
- B) genetic drift.
- C) evolution.
- D) gene flow.

2. The study of genetic events that occur in gene pools is called

- A) evolutionary genetics.
- B) population genetics.
- C) gene pool biology.
- D) allopatry.

3. If the requirements of the Hardy-Weinberg theorem are all met, then

- A) evolution is occurring rapidly.
- B) evolution is occurring slowly.
- C) evolution is not occurring.
- D) gene frequencies are changing.

4. Which of the following statements is most accurate?

- A) Evolution is always occurring in all populations.
- B) Evolution occurs in virtually all populations at some point in their history.
- C) Evolution rarely occurs in any population.
- D) Evolution never occurs.

5. Two tortoises are caught on a mat of floating vegetation and get carried out to sea. Their mat happens to land on a volcanic island that is inhabited by a small population of the same species. Breeding with the island tortoise population introduces new alleles that add to the genetic diversity of tortoises on the island. This account is an example of

- A) genetic drift.
- B) gene flow.
- C) natural selection.
- D) neutral selection.

6. After a bottleneck event has occurred

- A) the genetic diversity of a population is greater.
- B) the genetic diversity of a population is decreased.
- C) the size of the population always increases.
- D) the size of the population always decreases.

7. When chance events increase or decrease the frequencies of alleles in a population, _____ has occurred.

- A) genetic drift
- B) natural selection
- C) random mating
- D) gene flow

8. From the perspective of a population, mutations are positive events because

- A) they weed out less fit individuals.
- B) they provide new genetic variations that can help ensure the survival of the species.
- C) most mutations make individuals stronger.
- D) they are always expressed when they occur.

9. When a geographical barrier divides members of a population, _____ speciation may occur

- A) sympatric
- B) allopatric
- C) stabilizing D) directional

10. A mutation that caused a change in courtship behavior occurred in, and spread among, a few members of a population of cranes. This change in courtship behavior prevents those that have the mutation from mating with those that do not have the mutation, even though the two groups share the same breeding territory. This mutation may cause _____ speciation

- A) sympatric
- B) allopatric
- C) stabilizing
- D) directional

11. The punctuated equilibrium model of evolution describes the theory that

- A) evolution occurs very slowly and steadily over long periods of time.
- B) evolution occurs at a constant, rapid rate.
- C) evolution occurs rapidly for short periods of time and then a population undergoes very little change for long periods of time.
- D) evolution does not occur.

12. Natural selection that narrows the phenotypic range by selecting against phenotypic extremes is called

- A) disruptive selection.
- B) stabilizing selection.
- C) directional selection. D) neutral selection.

13. Sickle-cell anemia was maintained in African populations because the heterozygote was resistant to malaria. Both homozygotes were selected against by severe sickling or susceptibility to malaria. This example illustrates

- A) directional selection.
- B) disruptive selection.
- C) neutral selection.
- D) heterozygote superiority.

14. All genes in an organism do not necessarily change at the same rate. Most cats, for example, are easily recognized as cats. These traits have been conserved in evolution. Other traits (e.g., length of the tail, pelage, and stature) vary from species to species. This is an example of

- A) molecular evolution.
- B) mosaic evolution.
- C) gene duplication.
- D) phyletic gradualism.

15. In order for speciation to occur, some members of a population must be reproductively isolated from other members of the population

- A) True
- B) False

16. Genetic drift is most likely to occur in large populations

- A) True
- B) False

17. The change in the frequency of body color alleles in peppered moths in England during the industrial revolution was an example of directional selection

- A) True
- B) False

18. The formation of a physical barrier that divides one population into two groups is an example of postmating isolation

- A) True
- B) False

19. An allele that has been conserved evolutionarily would be present in most members of a group

- A) True
- B) False

20. Phyletic gradualism is attractive to many paleontologists because it explains the absence of fossils that document transitional forms between related organisms

- A) True
- B) False

21. Speciation that occurs in small, local populations is called parapatric speciation

A) True

B) False

22. Evolution invariably leads to some kind of improvement in a species

A) True

B) False

Answers:.....

1.c

2.b

3.c

4.b

5.b

6.b

7.a

8.b

9.b

10.a

11.c

12.b

13.d

14.b

15.a

16.b

17.a

18.b

19.a

20.b

21.a

22.b

Chapter #6

1. For an aquatic animal, the amount of oxygen dissolved in the water may determine where the animal can live. For this animal, dissolved oxygen is a/an

- A) tolerance factor.
- B) acclimator.C) limiting factor.
- D) optimum factor.

2. For an aquatic animal, the range of values for dissolved oxygen that will support life is called the

- A) range of optimum.
- B) tolerance range.C) existence range.
- D) home range.

3. All of the following contribute to the energy budget of an animal EXCEPT one. Select the exception

- A) existence energy--the energy it takes to survive
- B) resistance energy--the energy it takes to resist change in the environment
- C) productive energy--the energy it takes to grow and reproduce
- D) excretory energy--the energy lost through feces and excretion

4. Human populations in developed countries display type _____ survivorship curves.

- A) I
- B) II
- C) III
- D) IV

5. Which of the following sequences illustrate exponential growth

- A) 2--->4--->6--->8
- B) 2--->3--->4--->5
- C) 2--->4--->8--->16
- D) 2--->4--->10--->25

6. Evolution in which each of two species exerts a strong influence on the other species is called

- A) contingency.
- B) parallel evolution.
- C) coevolution.
- D) convergent evolution.

7. A symbiotic relationship in which one member of a relationship benefits and the second member is neither helped nor harmed is

- A) mutualism.
- B) commensalism.
- C) parasitism.
- D) predation.

8. The population size a particular environment can support is called the environment's

- A) environmental resistance.
- B) population structure.
- C) biotic potential.
- D) carrying capacity.

9. Which of the following is an example of aposematic coloration?

- A) one butterfly species resembling another distasteful species
- B) the stripes on a zebra
- C) the stripes on a tiger
- D) the contrasting color pattern of a skunk

10. When two organisms live in close association and both organisms benefit from the association, the relationship is:

- A) mutualism. B) parasitism. C) commensalism. D) mimicry.

11. Two male redwing blackbirds are competing for a breeding territory and female redwings. This example depicts

- A) interspecific competition.
- B) intraspecific competition.
- C) coevolution.
- D) competitive exclusion.

12. Most natural populations exhibit type _____ population growth.

- A) I B) II C) III D) IV

13. All populations living in an area make up a/an

- A) community ecosystem.
- B) community.
- C) habitat.
- D) niche.

14. A community and its physical surroundings make up a/an

- A) biome. B) ecosystem. C) habitat. D) niche.

15. The dominant members of a community often change the community in predictable ways in a process called

- A) spatial structuring.

B) temporal structuring.

C) dispersal.

D) succession.

16. The final community in a sere is called the

- A) climax community.
- B) primary community.
- C) secondary community.
- D) sere.

17. The first trophic level of an ecosystem is made up of

- A) free organic molecules
- B) decomposers
- C) consumers
- D) producers

18. The _____ of a species includes all the attributes of its life-style

- A) niche
- B) habitat
- C) range
- D) diversity

19. Overall, about _____ percent of the food consumed at one trophic level is converted into new biomass.

- A) 5
- B) 10
- C) 20
- D) 60

20. Assuming that 1,000 units of energy are available at the producer level of a stream ecosystem, how many units of energy would be available in the fourth trophic level (e.g., leaf material--->mayfly--->stonefly--->small mouth bass)?

- A) 10 units
- B) 1 unit
- C) 100 units
- D) 0.1 unit

21. All of the following statements regarding energy in ecosystems are true except one. Select the exception

- A) Most energy at one trophic level is eventually radiated into the outer atmosphere as heat and will never be reused.
- B) An ecosystem can support more biomass at higher trophic levels than at lower trophic levels.
- C) Larger populations can be supported if organisms feed at lower trophic levels.
- D) Consumption is never 100 percent efficient.

22. The nonliving reservoir for nitrogen in a terrestrial ecosystem is/are

- A) gaseous nitrogen in the atmosphere.
- B) dead animals and plants.
- C) nitrogen dissolved in water of the oceans.
- D) bedrock.

23. The nonliving reservoir for elements such as sulfur, phosphorus, and calcium is/are

- A) the atmosphere.
- B) bones.
- C) ocean water.
- D) the earth (soil, rocks etc.).

24. All of the following are true of the carbon cycle except one. Select the exception

- A) Most carbon is incorporated into living tissues by photosynthesis.
- B) Combustion of fossil fuels returns carbon to the atmosphere.
- C) The rate at which carbon has been accumulating in the atmosphere has been decreasing dramatically in the last 50 years.
- D) Carbon is rarely a limiting factor for animals.

25. The variety of living organisms in an ecosystem is called

- A) ecological variation.
- B) ecosystem strength.
- C) biodiversity. D) ecosystem wealth.

26. Biological magnification refers to the

- A) diversity of plants and animals in an ecosystem.
- B) increase in energy present in higher trophic levels in an ecosystem.
- C) increase in numbers of animals at higher trophic levels in an ecosystem.
- D) concentration of matter in tissues of animals at higher trophic levels in an ecosystem.

27. Aestivation is a time of decreased metabolism and lowered body temperature during daily activity cycles, during the summer or hot, dry time of the year.

- A) True
- B) False

28. Hibernation is a time of decreased metabolism and lowered body temperatures that may last for weeks or months and occurs in mammals such as rodents, bats, and bears, during cold periods

- A) True
- B) False

29. A type of camouflage that occurs when an animal takes on the color patterns in its environment to blend in with the surroundings is called countershading

- A) True
- B) False

30. A host that harbors the adult stage of a parasite is called the definitive host.

- A) True
- B) False

31. In the carbon cycle, respiration returns carbon to its reservoir in the atmosphere.

- A) True
- B) False

32. The age pyramid of a developing country (e.g., India) has a very wide base with large numbers of individuals in the youngest age groups.

A) True

B) False

33. The current U.S. population is about 280 million, and it continues to grow because of an increasing birth rate

A) True

B) False

34. The accumulation of carbon dioxide in the atmosphere contributes to the depletion of the ozone layer and an increased risk of skin cancer

A) True

B) False

Answers:::::

1.c

2.b

3.b

4.a

5.c

6.c

7.b

8.d

9.d

10.a

11.b

12.c

13.b

14.b

15.d

16.a

17.b

18.a

19.b

20.b

21.b

22.a

23.d

24.c

25.c

26.d

27.a

28.b

29.a

30.a

31.a

32.a

33.b

34.b

Chapter # 7

1. _____ is the study of the kinds and diversity of organisms and the evolutionary relationships among them

- A) Systematics
- B) Nomenclature
- C) Biogeography
- D) Phylogenetics

2. A group of animals that shares a particular set of characteristics forms an assemblage called a/an

- A) intron.
- B) photon.
- C) exon.
- D) taxon.

3. Which of the following sequences is arranged from broad to more specific?

- A) kingdom, domain, phylum, class, order, family, genus, species
- B) kingdom, phylum, class, order, domain, family, genus, species
- C) domain, kingdom, phylum, class, order, family, genus, species
- D) domain, kingdom, phylum, class, family, order, genus, species

4. Which of the following is the correct way to write the scientific name of the water penny beetle?

- A) Psephenus herricki
- B) Psephenus Herricki
- C) Psephenus Herricki
- D) Psephenus herricki

5. Prokaryotic organisms that live in extreme environments, such as high-temperature rift valleys on the ocean floor, belong to the domain

- A) Protista.
- B) Eubacteria.
- C) Archaea.
- D) Eukarya.

6. Animalia can be distinguished from Plantae because

- A) animals are heterotrophic.
- B) animal cells have cell walls.
- C) plants are prokaryotic.
- D) plants obtain nutrients by absorption.

7. A taxonomic character is

- A) any trait of an animal.
- B) any genetic trait.
- C) any genetic trait that can be measured.
- D) any genetic trait that determines an anatomical feature of an animal.

8. A taxonomic grouping that is derived from a single ancestor but does not include all members of the family group is called a _____ group

- A) paraphyletic
- B) polyphyletic
- C) monophyletic
- D) diphyletic

9. The goal of systematic studies is to arrange animals into

- A) monophyletic groups.
- B) polyphyletic groups.
- C) paraphyletic groups.
- D) outgroups.

10. A character that can be used to distinguish one group of animals from another is called a

- A) synapomorphy.
- B) symplesiomorphy.
- C) paraphyletic character.
- D) polyphyletic character.

11. A structure that is near the plane that divides an animal into equal left and right halves is

- A) medial in position.
- B) anterior in position.
- C) lateral in position.
- D) distal in position.

12. The development of a coelom in an animal is always associated with

- A) bilateral symmetry.
- B) asymmetry.
- C) diploblastic organization.
- D) triploblastic organization.

13. The dorsal surface of a frog is at the frog's

- A) rear end.

B) head end.

C) back.

D) belly.

14. The Eubacteria are the most primitive life forms known

A) True

B) False

15. In a monophyletic grouping, there is often more than one kind of ancestral animal

A) True

B) False

16. Triploblastic animals whose mesodermally derived tissues form a relatively solid mass of cells between ectodermally and endodermally derived tissues are said to be acoelomate

A) True

B) False

17. The formation of a distinct head is called cephalization and is usually associated with bilateral symmetry

A) True

B) False

18. The ankle is distal to the knee

A) True

B) False

19. The oral end of a sea anemone contains its tentacles and mouth

A) True

B) False

20. A coelom is a body cavity that is completely surrounded by mesodermally derived tissues

A) True

B) False

21. A transverse plane divides a bilateral animal into left and right mirror images.

A) True

B) False

Answers:.....

1.a

2.d

3.c

4.d

5.c

6.a

7.b

8.a

9.a

10.a

11.a

12.d

13.c

14.b

15.a

16.a

17.a

18.a

19.a

20.b

Chapter # 8

1. Which of the following is characteristic of protozoa?

- A) polyphyletic
- B) some are autotrophs
- C) some are heterotrophs
- D) all of the above (a-c)

2. Reproduction in protozoa involves

- A) binary fission.
- B) asexual reproduction.
- C) sexual reproduction.
- D) all of the above (a-c).

3. Asexual reproduction that occurs in protozoa includes all of the following except

- A) budding.
- B) schizogony.
- C) multiple fission.
- D) conjugation.

4. The type of symbiotic relationship where both species benefit is termed

- A) parasitism.
- B) commensalism.
- C) mutualism.
- D) symbiosis.

5. The specialized region in protozoa that is analogous to a mouth is the

- A) vacuole.
- B) cytopyge.
- C) food vacuole.
- D) cytopharynx.

6. The phylum Sarcomastigophora has all of the following characteristics except

- A) unicellular or colonial.
- B) locomotion by flagella, pseudopodia, or both.
- C) autotrophic, saprozoic, or heterotrophic.
- D) apical complex for penetrating host cells.

7. Which of the following do not belong to the phylum Phytomastigophorea?

- A) Gymnodinium.
- B) Euglena.
- C) Trypanosoma.
- D) Volvox.

8. Sleeping sickness in humans is caused by

- A) trypanosomes.
- B) Amoeba.
- C) euglenoids.
- D) all of the above (a-c).

9. Which of the following is not a type of pseudopodium found in the amoebae?

- A) lobopodia
- B) filopodia
- C) reticulopodia
- D) rizopodia

10. Which of the following is not a marine protozoan?

- A) foraminiferans
- B) heliozoans
- C) radiolarians
- D) Giardia

11. When schizogony produces merozoites, it is called

- A) gametogony.

- B) merogony.
- C) sporogony.
- D) sexual reproduction.

12. In the life cycle of Plasmodium, merozoites are formed in the

- A) mosquito gut.
- B) red blood cells.
- C) liver.
- D) spleen.

13. The disease pebrine that occurs in silk worms is caused by members of the phylum

- A) Myxozoa.
- B) Acetospora.
- C) Microspora.
- D) Ciliophora.

14. Toxoplasmosis is a common disease that often occurs in AIDS patients

- A) True
- B) False

15. In ciliated protozoans, the defensive structures are the trichocysts

- A) True
- B) False

16. Ciliates reproduce sexually by binary fission

- A) True
- B) False

17. Based on ribosomal RNA sequences, the protozoans appear to be a polyphyletic group

- A) True
- B) False

18. Based on 18S ribosomal RNA sequences, the microsporans are closely related to the ciliates

- A) True
- B) False

19. Most ciliates are free living

A) True

B) False

20. Ciliates have four kinds of nuclei.

A) True

B) False

21. Cilia are generally similar to flagella except that they are much longer

A) True

B) False

22. The most important species in the phylum Apicomplexa are members of the class Sporozoa (e.g., Plasmodium).

A) True

B) False

23. Giardiasis is contracted by drinking untreated water from streams and lakes, typically in mountainous areas, particularly where there are a great number of hikers and back-packers

A) True

B) False

24. Tsetse flies are the intermediate host for the protozoan (*Giardia* spp.) that causes giardiasis

A) True

B) False

25. Volvox is a colonial protozoan

A) True

B) False

Answers:::::

1.d

2.d

3.d

4.c

5.c

6.d

7.c

8.a

9.d

10.d

11.b

12.c

13.c

14.a

15.a

16.b

17.a

18.b

19.a

20.b

21.b

22.a

23.a

24.b

25.a

Chapter # 9

1. Multicellular life has been a part of life on earth for approximately _____ years

- A) 50 million
- B) 100 million
- C) 550 million
- D) 1.5 billion

2. The first animals may have arisen from a large multinucleate cell that subsequently formed plasma membranes within the cell to produce a small multicellular organism. This idea is known as the _____ hypothesis

- A) colonial
- B) syncytial
- C) membrane
- D) Precambrian

3. Which of the following is a fossil formation in British Columbia containing about 20 animal body forms that are not assigned to any modern animal phyla?

- A) Burgess Shale
- B) Ediacara formation
- C) Tommotian formation
- D) Gemmule formation

4. All of the following are characteristic of members of the phylum Porifera except one. Select the exception

- A) asymmetrical
- B) three cell types
- C) central cavity, or a series of branching chambers, through which water circulates during filter feeding.
- D) diploblastic tissue organization

5. Which of the following cell types is involved with creating water currents during filter feeding of a sponge?

- A) pinacocytes
- B) choanocytes
- C) porocytes
- D) mesenchyme cells

6. Which of the following cell types is involved with secreting skeletal elements of a sponge?

- A) pinacocytes
- B) choanocytes
- C) porocytes
- D) ameboid/mesenchymal cells

7. Which of the following cell types is involved with regulating water movements through a sponge?

- A) pinacocytes
- B) choanocytes
- C) porocytes
- D) mesenchyme cells

8. In an ascon sponge, choanocytes

- A) line radial canals that branch off the spongocoel.
- B) line the spongocoel directly.
- C) are found in flagellated chambers.
- D) line incurrent canals.

9. In a sycon sponge, the body wall appears to be

- A) highly folded.
- B) thick and perforated by a highly branched canal system.
- C) unfolded and not perforated by a branched canal system.
- D) a single cell layer thick.

10. The most complex sponges have a body organization called

- A) sycon.
- B) leucon.
- C) ascon.
- D) mycon.

11. All of the following are characteristic of members of the phylum Cnidaria except one. Select the exception

- A) radial or biradial symmetry
- B) nervous system in the form of a nerve net
- C) choanocytes used in defense, feeding, and attachment
- D) gelatinous mesoglea located between epidermal and gastrodermal tissue layers

12. In the life cycle of a member of the class Hydrozoa, for example Obelia

- A) the polyp stage is always predominant.
- B) the medusa stage is always predominant.
- C) the medusa and polyp are both usually present.
- D) nematocysts are absent.

13. Members of the class Scyphozoa include

- A) anemones.
- B) corals.
- C) Hydra.
- D) jellyfish.

14. The largest and most prominent stage in the life cycle of most members of the class Scyphozoa is the

- A) medusa.
- B) planula.
- C) polyp.
- D) ephyra.

15. The class of Cnidaria that includes anemones is

- A) Hydrozoa.
- B) Scyphozoa.
- C) Anthozoa.
- D) Calcarea.

16. Most of the history of multicellular life on earth has been one of extinction rather than the origin of new kinds of animal life

- A) True
- B) False

17. Members of the class Scyphozoa have life histories in which the medusa stage is produced asexually from the strobila

- A) True

B) False

18. The coelom of cnidarians functions in digestion, the exchange of respiratory gases, and discharge of gametes

A) True

B) False

19. Cells are never present in the mesoglea of cnidarians.

A) True

B) False

20. Cnidocytes produce nematocysts that are discharged on stimulation of a cnidocil. Cnidocytes are produced only in members of the phylum Cnidaria

A) True

B) False

21. In many members of the class Hydrozoa, the gonozooid is a reproductive polyp that produces medusae by budding

A) True

B) False

22. Some members of the class Cubozoa have nematocysts that are dangerous to humans

A) True

B) False

23. Hydrozoan polyps have mesenteries that bear nematocysts, a mouth that leads to a pharynx, and a mesoglea containing ameboid mesenchyme cells.

A) True

B) False

24. Some members of the class Anthozoa are monoecious. In these animals, the male gametes often mature before the female gametes, thus preventing self-fertilization. This condition is called protandry

A) True

B) False

Answers:::::

1.c

2.b

3.a

4.d

5.b

6.d

7.c

8.b

9.b

10.a

11.b

12.c

13.c

14.d

15.a

16.c

17.a

18.a

19.b

20.b

21.a

22.a

23.a

24.b

Chapter # 10

1. Which of the following is not an acoelomate?

A) Platyhelminthes

B) Rotifera

C) Gastrotrichia

D) Turbellaria

2. Three important characteristics first appeared in the acoelomates. Which of the following is not one of them?

A) bilateral symmetry

B) a true mesoderm

C) an excretory system

D) nervous tissues

3. Acoelomates lack a body cavity because the _____ cells completely fills the area between the outer epidermis and digestive tract.

A) parenchymal

B) muscular

C) nervous

D) ectodermal

4. Which of the following classes is typically not parasitic?

A) Turbellaria

B) Monogenea

C) Trematoda

D) Cestoidea

5. Marine ribbon worms are found within the phylum:

A) Turbellaria

B) Monogenea

C) Nemertea

D) Gastrotricha

6. Which of the following would you find either living a free-living life style or living in the space between bottom sediments in freshwater?

A) Gastrotricha

- B) Nemertea
- C) Monogenea
- D) Turbellaria

7. Sexual maturity in a larval body form is called

- A) incomplete organization.
- B) complete organization.
- C) paedomorphosis.
- D) all of the above (a-c).

8. Characteristics of the phylum Platyhelminthes include all of the following except

- A) usually flattened dorsoventrally.
- B) usually unsegmented worms.
- C) incomplete gut.
- D) many organ systems present.

9. Most turbellarians, such as the common planarian,

- A) are carnivores.
- B) will also feed as herbivores.
- C) have chemoreceptors that help them detect food.
- D) all of the above (a-c).

10. Which is not part of the protonephridial system in a turbellarian?

- A) nephridiopore
- B) flame cell
- C) nephron
- D) excretory tube

11. A few turbellarians have a free swimming larva termed a

- A) Muller's larva.
- B) planula larva.

C) pncomicidium.

D) miridium.

12. Monogenetic flukes are so named because they

A) have only one generation in their life cycle.

B) have a life cycle where only one adult develops from one egg.

C) are solely external parasites.

D) both a and b.

13. A small group of flukes that are primarily internal parasites of molluscs are the

A) subclass Aspidogastrea.

B) subclass Digenea.

C) class Monogenea.

D) class Cestoidea.

14. The scientific name of the Chinese liver fluke is:

A) *Fasciola hepatica*

B) *Schistosoma haematobium*

C) *Schistosoma mansoni*

D) *Clonorchis sinensis*

15. The scientific name of the sheep liver fluke is:

A) *Fasciola hepatica*

B) *Schistosoma haematobium*

C) *Schistosoma mansoni*

D) *Clonorchis sinensis*

16. Almost all cestodes belong to the subclass

A) Eucestoda.

B) Cestodaria.

C) Cestoidea.

D) Testudines.

17. In the beef tapeworm life cycle, as an egg develops it forms a six-hooked (hexacanth) larva called an oncosphere.

A) True

B) False

18. A fluid-filled bladder worm larva of a pork tapeworm is called a cysticercus, and it may form bladders in the brain of the mammalian host

A) True

B) False

19. The most distinctive feature of nemerteans is a long proboscis held in a sheath called a rhynchocoel.

A) True

B) False

20. Nemerteans are microscopic, aquatic animals with a complete digestive tract and an unusual proboscis

A) True

B) False

21. The monogenetic flukes (class Monogenea) are mostly external parasites of fishes

A) True

B) False

22. Turbellarians are monoecious with reproductive systems adapted for internal fertilization

A) True

B) False

23. Most turbellarians move entirely by cilia and are predators and scavengers

A) True

B) False

Answers:::::

1. b

2.d

3.a

4.a

5.c

6.a

7.c

8.d

9.d

10.d

11.a

12.a

13.a

14.d

15.a

16.a

17.a

18.a

19.a

20.b

21.a

22.a

23.a

Chapter # 11

1. All of the following are aschelminths except the

A) Rotifers.

B) Kinorhynchs.

C) Acanthocephalans.

D) Nemerteans.

2. The major unifying aschelminth feature is the

- A) nervous system.
- B) muscular system.
- C) excretory system.
- D) pseudocoelom.

3. Which of the following is not a common aschelminth feature?

- A) incomplete digestive tract
- B) a muscular pharynx
- C) constant cell numbers (eutely)
- D) adhesive glands

4. When aschelminths shed their cuticle, this is called

- A) molting.
- B) ecdysis.
- C) eutely.
- D) both a and b are correct.

5. Which of the following phyla are not pseudocoelomate?

- A) Acanthocephala
- B) Rotifera
- C) Polychaeta
- D) Nematoda

6. Characteristics of the phylum Rotifera include all of the following except

- A) a well-developed cuticle.
- B) absence of protonephridia.
- C) parthenogenesis is common.
- D) triploblastic, bilateral, unsegmented, pseudocoelomate.

7. There are _____ classes within the phylum Rotifera

- A) two
- B) three
- C) four
- D) five

8. Which of the following is not an external feature of a rotifer?

- A) cilia
- B) corona
- C) germovitellarium
- D) foot

9. Where would you look for a kinorhynch?

- A) a marine environment
- B) a freshwater environment
- C) on land that is relatively moist
- D) on land that is relatively dry

10. Which of the following is not a characteristic of the phylum Nematoda?

- A) triploblastic, bilateral, vermiform
- B) cuticles are not shed
- C) complete digestive tract with a mouth surrounded by lips bearing sense organs
- D) body wall has only longitudinal muscles

11. Which of the following is not true with respect to nematode reproduction?

- A) Most nematodes are dioecious.
- B) Most nematodes are dimorphic.
- C) Males are larger than the females.
- D) Gonads lie free in the pseudocoelom.

12. The scientific name of the common pinworm is

- A) *Ascaris lumbricoides*.
- B) *Enterobius vermicularis*.
- C) *Trichinella spiralis*.
- D) *Wuchereria bancrofti*.

13. The scientific name of the common pork roundworm is

- A) *Ascaris lumbricoides*.
- B) *Enterobius vermicularis*.
- C) *Trichinella spiralis*.
- D) *Wuchereria bancrofti*.

14. Members of the phylum Nematomorpha are commonly called the _____ worms.

- A) horsehair
- B) Gordian
- C) round
- D) both a and b are correct

15. Of the following, which is the most recently described pseudocoelomate animal phylum?

- A) Pariapulida
- B) Acanthocephala
- C) Loricifera
- D) Nematomorpha

16. Which of the following is a distinct feature that occurs in all pseudocoelomate phyla?

- A) pseudocoelom
- B) adhesive glands
- C) cuticle
- D) none of the above

17. The aschelminths are seven phyla grouped only for convenience.

- A) True

B) False

18. The aschelminths contain organs for gas exchange and circulation.

A) True

B) False

19. The majority of rotifers inhabit freshwaters

A) True

B) False

20. Nematodes live in both aquatic and terrestrial environments

A) True

B) False

21. Acanthocephalans are also known as spiny-headed worms because of their spiny proboscis

A) True

B) False

22. A mosquito is necessary for development of *Trichinella spiralis*

A) True

B) False

23. Elephantiasis is caused by filarial worms (i.e., *Wuchereria* spp.).

A) True

B) False

24. *Ascaris lumbricoides* is commonly known as the giant intestinal roundworm of humans.

A) True

B) False

Answers:::::

1.d

2.d

3.a

4.d

5.c

6.b

7.b

8.c

9.a

10.b

11.c

12.b

13.c

14.d

15.c

16.a

17.a

18.b

19.a

20.a

21.a

22.b

23.a

24.a

Chapter #12

1. All of the following are unique to the molluscs except one. Select the exception.

- A) mantle
- B) shell
- C) visceral mass
- D) head-foot

2. Which of the following is true of the radula of most molluscs?

- A) It is used in reproduction.
- B) It is used in excretion.
- C) It is used in rasping food.

D) It is used in gas exchange.

3. The mantle of most mollusks

A) is modified for locomotion.

B) is used in attracting prey.

C) secretes the shell.

D) supports the radula.

4. Which of the following is true of the mantle cavity of a bivalve?

A) It is the area where water circulates during feeding and gas exchange.

B) It is the space between the mantle and the shell.

C) It is the space between the pericardium and the heart.

D) It is the space where blood circulates before being returned to the heart.

5. The molluscs are most closely related to the

A) annelids.

B) echinoderms.

C) arthropods.

D) chordates.

6. Which of the following is true of the visceral mass of a mollusc?

A) It contains the gills.

B) It secretes the shell.

C) It is used in locomotion.

D) It contains gonads and digestive glands.

7. Molluscs can be characterized by:

A) trochophore larvae, and they are deuterostomes.

B) planaria larvae, and they are protostomes.

C) trochophore larvae and they are protostomes.

D) planaria larvae, and they are deuterostomes.

8. All of the following mollusc characters would be found in a member of the class Bivalvia except one. Select the exception.

- A) visceral mass
- B) head-foot
- C) mantle cavity
- D) radula

9. Members of which of the following mollusc classes would be characterized by a shell consisting of 8 plates?

- A) Aplacophora
- B) Polyplacophora
- C) Monoplacophora
- D) Cephalopoda

10. Members of which of the following mollusc classes would be characterized by a reduced head, a mantle that surrounds the entire body and a tusk-shaped shell?

- A) Scaphopoda
- B) Bivalvia
- C) Polyplacophora
- D) Gastropoda

11. _____ is a developmental process that occurs in gastropods and results in a 180 degree counterclockwise twisting of the visceral mass and mantle cavity

- A) Gastrulation
- B) Epiboly
- C) Involution
- D) Torsion

12. A _____ is a mucoïd mass that extends to the stomach of gastropods. It contains trapped food particles and is rotated by cilia

- A) protostyle
- B) umbo

C) crystalline style

D) gastric shield

13. Members of the gastropod subclass Pulmonata are predominantly freshwater or terrestrial. Their mantle is modified into a lung, which opens to the outside of the mantle cavity through a/an

A) siphon.

B) pneumostome.

C) umbo.

D) operculum.

14. Water exits the mantle cavity of a bivalve through the _____ and the excurrent opening

A) water tube

B) incurrent opening

C) suprabranchial chamber

D) pericardial cavity

15. A _____ is a developmental stage of a freshwater bivalve that is parasitic on fishes

A) veliger

B) trochophore

C) planula
D) glochidium

16. Members of the classes Cephalopoda and Scaphopoda are the only molluscs that possess closed circulatory systems.

A) True

B) False

17. Cephalopods rely on olfactory senses for detecting prey

A) True

B) False

18. Members of the class Polyplacophora include the chitons, which are found on hard substrates in marine habitats

A) True

B) False

19. Members of the class Monoplacophora are wormlike molluscs that lack a shell, crystalline style, and foot; they live in vertical burrows on the deep-sea floor.

A) True

B) False

20. Labial palps of bivalves sort filtered food particles delivered by cilia lining the ventral margin of the gills.

A) True

B) False

21. The operculum aids in both respiration and reproduction in gastropods

A) True

B) False

22. The Gastropoda and the Cephalopoda form a clade characterized by a dorsoventrally elongate body and shell coiling.

A) True

B) False

23. The diversity of body forms and lifestyles present in the phylum Mollusca is an excellent example of adaptive radiation

A) True

B) False

24. The absence of a shell in the Aplacophora is a primitive character in the phylum Mollusca

A) True

B) False

Answer:::::

1.b

2.c

3.c

4.a

5.a

6.d

7.c

8.d

9.b

10.a

11.d

12.a

13.b

14.c

15.d

16.b

17.b

18.a

19.b

20.a

21.b

22.a

23.a

24.a

Chapter # 13

The segmental arrangement of body parts in an animal is called

A) tagmatization.

B) metamerism.

C) cephalization.

D) serialism.

The specialization of body regions in a segmented animal is called

- A) tagmatization.
- B) metamerism.
- C) cephalization.
- D) eutely.

Annelids and Arthropods share all of the following characteristics except one. Select the exception.

- A) a ventral nerve cord
- B) a complete digestive tract
- C) metamerism
- D) an exoskeleton

The annelid class whose members are mostly marine is

- A) Hirudinea.
- B) Oligochaeta.
- C) Polychaeta.
- D) Clitellata.

A distinctive feature of members of the subclass Hirudinea is

- A) parapodia.
- B) tentacles.
- C) anterior and posterior suckers.
- D) palps.

Earthworms belong to the annelid subclass

- A) Hirudinea.
- B) Chaetognatha.
- C) Polychaeta.

D) Oligochaeta.

A distinctive feature of members of the class Polychaeta is

A) parapodia.

B) clitellum.

C) annuli.

D) absence of setae.

The girdle-like structure that is used for mucus secretion during copulation and cocoon formation is the

A) clitellum.

B) prostomium.

C) parapodium.

D) epitoke.

A clitellum is present in the members of the subclass(es)

A) Hirudinea.

B) Polychaeta.

C) Oligochaeta.

D) Hirudinea and Oligochaeta.

Oligochaetes are

A) monoecious.

B) dioecious.

C) monoecious or dioecious.

D) asexual.

Most polychaetes are

A) monoecious.

B) dioecious.

C) protandric.

D) asexual.

An excretory structure consisting of an open, ciliated funnel and a tubule that opens through the body wall is called a

A) protonephridium.

B) nephrostome.

C) metanephridium.

D) nephridiopore.

The main propulsive structure(s) in the circulatory system of an earthworm is (are)

A) hearts.

B) dorsal and ventral blood vessels.

C) seminal vesicles.

D) the typhlosole.

The _____ is a site of amino acid metabolism in an earthworm and is analogous to the vertebrate liver.

A) typhlosole

B) seminal vesicle

C) nephridium

D) chloragogen tissue

No freelifing larval forms occur in the annelid subclass(es)

A) Hirudinea

B) Hirudinea and Oligochaeta

C) Polychaeta

D) Polychaeta and Oligochaeta

Flexible support and efficient locomotion are probably the primary adaptive features of metamerism.

A) True

B) False

The peristomium is the first segment of a polychaete. It surrounds the mouth and bears sensory tentacles or cirri.

A) True

B) False

During copulation of earthworms there is mutual sperm exchange. Sperm passes from the seminal receptacles of each worm to the seminal vesicles of the partner.

A) True

B) False

The secondary divisions of a member of the class Hirudinea are called annuli; they are easier to see than the true segments.

A) True

B) False

The looping form of locomotion of leeches utilizes a single hydrostatic cavity formed as a result of the loss of septa separating coelomic compartments.

A) True

B) False

A taxonomic reevaluation of the phylum Annelida confirms the designation of three classes: Polychaeta, Oligochaeta, and Hirudinea.

A) True

B) False

The oligochaetes were the first annelids to be derived from ancestral annelids. The hirudineans and freshwater polychaetes were derived from the oligochaetes, and marine polychaetes were derived from freshwater polychaetes.

A) True

B) False

Oligochaetes evolved on land during a time when flowering plants were proliferating. This fact is evidenced, in part, by the reliance of modern oligochaetes on deciduous vegetation.

A) True

B) False

Polychaetes may be predators, herbivores, scavengers, or filter feeders.

A) True

B) False

The immature stages of polychaetes occur in cocoons deposited on the ocean floor.

A) True

B) False

Answers:.....

1.b

2.a

3.d

4.c

5.c

6.d

7.a

8.a

9.d

10.a

11.b

12.c

13.b

14.d

15.b

16.a

17.a

18.b

19.a

20.a

21.b

22.b

23.a

24.a

25.b

Chapter 14

All of the following are characteristics of members of the phylum Arthropoda except one. Select the exception.

- A) metamerism modified by tagmatization
- B) dorsal nervous system
- C) chitinous exoskeleton provides support and protection
- D) open circulatory system in which blood is released into tissue spaces derived from the blastocoel

All of the following are protostomate phyla except one. Select the exception.

- A) Mollusca
- B) Platyhelminthes
- C) Arthropoda
- D) Echinodermata

The outermost waxy layer of the arthropod exoskeleton is called the

- A) epicuticle.
- B) procuticle.
- C) hypodermis.
- D) basement membrane.

A layer of cells that secretes the arthropod exoskeleton is called the

- A) epicuticle.
- B) procuticle.
- C) hypodermis.
- D) basement membrane.

In the region of a joint, the _____ of the exoskeleton is less hardened and forms an articular membrane. In other parts of the exoskeleton this region is hardened and inflexible.

- A) epicuticle
- B) procuticle
- C) epidermis
- D) hypodermis

Biramous appendages are present in, or were present in

- A) all arthropods.
- B) Crustacea and Insecta.
- C) Crustacea and Trilobitomorpha.
- D) Trilobitomorpha and Arachnida.

The sensory, feeding, and locomotor tagmata of members of the subphylum Chelicerata is the

- A) thorax.
- B) prosoma or cephalothorax.
- C) opisthosoma.
- D) abdomen.

The second pair of appendages of members of the subphylum Chelicerata is used in sensory perception, feeding, locomotion, or reproduction. These appendages are called

- A) mandibles.
- B) chelicerae.
- C) pedipalps.
- D) pedicels.

Excretory structures found in many arachnids consist of thin-walled sacs that open to the body surface at pores near the base of posterior appendages. These excretory structures are called

- A) tracheae.
- B) coxal glands.
- C) spinneretes.
- D) green glands.

Most arthropods lay eggs that develop outside the body. They are

- A) oviparous.
- B) ovoviviparous.
- C) viviparous.
- D) viperous.

Ticks and mites are members of the order

- A) Opiliones.
- B) Acarina.
- C) Araneae.
- D) Scorpionida.

Harvestmen or daddy longlegs are members of the order

- A) Opiliones.
- B) Acarina.
- C) Araneae.
- D) Scorpionida.

Of the subphylum Crustacea, _____ has the largest number of species.

- A) Malacostraca
- B) Branchipoda
- C) Copepoda
- D) Cirripedia

Barnacles are members of the class

- A) Malacostraca.
- B) Branchipoda.
- C) Copepoda.
- D) Thecostraca.

All of the following are crayfish mouth appendages except one. Select the exception.

- A) mandibles
- B) maxillae
- C) pleopods
- D) maxillipeds

Metamorphosis often results in adult and immature stages having different feeding habits and habitats. Metamorphosis, therefore, reduces competition between adult and immature stages and has contributed to the success of the arthropods.

- A) True
- B) False

Arthropods that have just undergone ecdysis are secretive and remain hidden because the new exoskeleton has not yet hardened.

- A) True

B) False

Book lungs or book gills are present in members of the subphylum Crustacea.

A) True

B) False

Scorpions have a period of courtship prior to mating. Mating occurs by copulation and the direct transfer of sperm from the male to the female.

A) True

B) False

Members of the class Pycnogonida are the sea spiders. Pycnogonids are dioecious. After eggs are fertilized, they are cemented onto ovigers of the male where they are carried until hatching.

A) True

B) False

The appendages of a crayfish are said to be serially homologous because they have evolved from a common ancestral form. The common ancestral form is the biramous appendage, which consists of a protopodite that attaches to the body wall and gives rise to two distal processes.

A) True

B) False

In the barnacles, planktonic nauplius larvae attach to the substrate by their first antennae and metamorphose to adults.

A) True

B) False

Members of the subphylum Chelicerata were preadapted for terrestrial life by the exoskeleton, which was relatively impermeable to water and supportive on land. Members of the class Arachnida were some of the very early terrestrial inhabitants.

- A) True
- B) False

Members of the subphylum Trilobitomorpha were a dominant form of life in the ocean during the Cambrian period (600 million years ago) to the Carboniferous period (345 million years ago). Today, a few living species of trilobites inhabit deep water along the eastern coast of North America.

- A) True
- B) False

Horseshoe crabs are members of the class Merostomata. Their body form has changed little over the last 200 million years, and they are an excellent example of stabilizing selection.

- A) True
- B) False

Answers:.....:

- 1.b
- 2.d
- 3.a
- 4.c
- 5.b
- 6.c
- 7.b
- 8.c
- 9.b

10.a

11.b

12.a

13.a

14.d

15.c

16.a

17.a

18.b

19.b

20.a

21.a

22.b

23.a

24.b

25.a

F. Y. B. Sc Botany

Question Bank

2021-22

Objectives

1. The study of algae is known as -----

- a) Mycology
- b) Phycology
- c) Taxonomy
- d) Physiology

2. The branch which deals with study of fungi is known as-----

- a) Physiology
- b) Ecology
- c) Mycology
- d) Phycology

3. Thalloid and non flowering plants are known as -----

- a) Angiosperm
- b) Thallophyta
- c) Gymnosperm
- d) Dicotyledons

Algae

2 Marks Questions:

1. What is epiphytic algae

2. What is symbiotic algae

3. The reserve food material in algae is -----

a) cellulose

b) starch

c) protein

d) glycogen

4. The cell wall in algae is made up of-----

a) Chitin

b) cellulose

c) pectin

d) glycogen

5. Fusion between gametes of equal sizes is called -----

a) Isogamy

b) Anisogamy

c) Oogamy

d) Dichotogamy

6. Fusion between gametes of unequal sizes is called -----

a) Dichotogamy

b) Anisogamy

c) Oogamy

d) Isogamy

7. An alga growing on aquatic animal is called-----

- a) Epizoic
- b) Endozoic
- c) Epiphytic
- d) Terrestrial

8. The algae growing in seawater is known as -----

- a) Freshwater algae
- b) Terrestrial algae
- c) Marine algae
- d) Lithophytic algae

4 Marks Questions:

1. Give the general characters of algae.
2. Describe the methods of vegetative reproduction in algae.

6 Marks Questions:

1. Describe the range of thallus in algae.
2. Describe the methods of asexual reproduction in algae.
3. Describe the methods of sexual reproduction in algae.

Chapter : 3 Classification of Algae

2 Marks Questions:

1. Name the reserve food material found in Rhodophyta.
2. Name the reserve food material found in Cyanophyta.
3. What is the reserve food material in brown algae.
4. Name any two classes of algae in which motile cells are absent.
5. Plastids are absent in-----

- a) Cyanophyta
- b) Chlorophyta
- c) Rhodophyta
- d) Phaeophyta

6. Motile cells are absent in the life cycle of -----

- a) Chlorophyceae
- b) Euglenophyceae
- c) Cyanophyceae
- d) Chrysophyceae

7. Sexual reproduction absent in -----

- a) Cyanophyta
- b) Chlorophyta
- c) Phaeophyta
- d) Rhodophyta

8. Xanthophyll is the principal pigment in the member of the----

- a) Chlorophyceae
- b) Cyanophyceae
- c) Xanthophyceae
- d) Rhodophyceae

9. Which of the following has prokaryotic cells -----

- a) Nostoc
- b) Ulothrix
- c) Sargassum
- d) Spirogyra

10. Desmophyceae and Dinophyceae are the classes of -----

- a) Pyrophyta
- b) Phaeophyta
- c) Chorophyta
- d) Crysophyta

11. Sex organs are surrounded by sterile sheath in -----

- a) Chara
- b) Ulothrix
- c) Sargassum
- d) Nostoc

12. Members of the Bacillariophyceae are commonly called as -----

- a) Blue greens
- b) Grass green
- c) Diatoms
- d) Red algae

4 Marks Questions:

1. Give the importance characters of Cyanophyta.
2. Give the distinguishing features of Rhodophyta.
3. Give the distinguishing characters of Euglenophyta.

6 Marks Questions:

1. Give the outline classification of algae upto classes as given by G.M.Smith with suitable example of each.
2. Enlist the major divisions of algae as per G.M.Smith and give the distinguishing features of any one.
3. Give the distinguishing features of Chlorophyceae and Phaeophyceae.

Chapter: 4 Study of Life History of Ulothrix

2 Marks Questions:

1. What is the function of hold fast in Ulothrix?
2. What is heterothallism?
3. Differentiate Macro and Microzoospores in Ulothrix
4. Differentiate aplanospores and Hypnospores
5. Girdle shaped chloroplast is found in -----
 - a) Sargassum
 - b) Ulothrix
 - c) Sirogyra
 - d) Nostoc
6. Multicellular, uniseriate and unbranched filamentous alga is -----
 - a) Volvox
 - b) Vaucheria
 - c) Ulothrix
 - d) Pandorina
7. Ulothrix produces-----
 - a) Quadriflagellate microspores
 - b) Biflagellate microspores
 - b) Quadriflagellate macrospores
 - d) all of above
8. Plant body of Ulothrix is -----
 - a) Sporophytic
 - b) Gametophytic
 - c) Parasitic

d) None of above

9. The flagella of zoospores in Ulothrix are ----- in position

a) Posterior

b) lateral

c) anterior

d) All of above

10. Zoospores are product of ----- reproduction in Ulothrix

a) Asexual

b) Vegetative

c) Sexual

d) Parthenogenesis

4 Marks Questions:

1. Sketch label and describe structure of cell in Ulothrix.
2. Describe the various types of zoospores in Ulothrix.
3. Give the classification with reasons of Ulothrix.
4. Palmella stage in Ulothrix.

6 Marks Questions:

1. Give the classification and external morphology of Ulothrix.
2. Sketch, label and describe Ulothrix filament.
3. Describe the various methods of asexual reproduction in Ulothrix.

Study of Life History of Sargassum

2 Marks Questions:

1. How vegetative reproduction takeplace in Sargassum?
2. What is monoecious and dioecious?

3. Distinguish primary and secondary laterals in Sargassum

4. Sterile cavities present on leaves and air bladder of Sargassum are called as-----

--

a) Conceptacles

b) Cryptoblasts

c) holdfast

d) None of above

5. Sexual reproduction in Sargassum is -----type

a) Isogamous

b) Anisogamous

c) Oogamous

d) None of above

6. Sargassum plant body is -----

a)Haploid

b)Diploid

c) Triploid

d) Monoploid

7. Which of the following is called as -----

a) Volvox

b) Sargassum

c) Spirogyra

d) Ulothrix

8. In Sargassum the part of the Oogonium that forms the psuedostalk

is called as-----

a) Exochite

- b) Mesochite
- c) Endochite
- d) stalk cells

9. The product of photosynthesis in sargassum is -----

- a) Starch
- b) Protein
- c) Manitol
- d) Glycerol

4 Marks Questions:

1. Give the systematic position of Sargassum.
2. Describe the process of fertilization in Sargassum
3. Give the graphical life cycle of Sargassum.
4. Describe the sex organs of Sargassum.
5. What are the functions of holdfast and air bladder of Sargassum.

6 Marks Questions:

1. Draw a labelled diagram and describe external morphology of Sargassum.
2. Sketch, label and describe T.S. of axis of Sargassum.
3. Sketch label and describe female conceptacle of Sargassum.
4. Sketch label and describe female conceptacle of Sargassum.

Economic Importance of Algae

2 Marks Questions:

1. Diatomaceous earth is obtained from -----
- a) Diatom

b) Sargassum

c) Ulothrix

d) Spirogyra

2. Agar- agar is obtained from -----

a) Ulothrix

b) Spirogyra

c) Gracillaria

d) Nostoc

4 Marks Questions:

1. Explain the role of algae in petroleum and gas.

2. Write note on Agar-agar and diatomite.

3. Role of algae in space travel.

4. Explain spoilage of water reservoir by algae.

6 Marks Questions:

1. Role of algae in agriculture and industry.

2. Give the application of algae in food and medicine.

3. Describe harmful effect of algae.

Fungi

2 Marks Questions:

1-What is coenocytic Mycelium?

2-What is obligate parasite?

3-What is plasmogamy?

4-The study of fungi is known as -----

a) Mycology

b)Phycology

c)Ecology

d)Taxonomy

5-Reserve food material in fungi is-----

a)cellulose

b)starch

c)protein

d)Glycogen & oil

6-Cell wall in fungi is made up of -----

a)Pectine

b)Chitin

c) Protein

d)Glycine

7-The mass of hyphae is known as -----

a) Penicillium

b) Mycelium

c) Plasmodium

d) Pseudopodium

8-Vegetative stage in Myxomycetes is called as-----

a) Plasmodium

b) Mycelium

c) Hypha

d) Pseudopodium

4 Marks Questions:

1. Describe thallus structure in Fungi.
2. Explain Oogamous reproduction in Fungi.
3. Explain gamatangial copulation in Fungi.
4. Describe Isogamy and Anisogamy in Fungi.

6 Marks Questions:

1. Describe the general characters of Fungi?
2. Describe the methods of reproduction in Fungi
3. What are Fungi? Give the habit and habitat of Fungi.
4. Describe the modes of nutrition in Fungi.

Classification of Fungi

2 marks Questions:

1. Aseptate mycelium is found in class-----

a) Ascomycetes

b) Basidiomycetes

c) Myxomycetes

d) Phycomycetes

2. Septate mycelium is found in -----

- a) Ascomycetes & Myxomycetes
- b) Basidiomycetes & Phycomycetes
- c) Ascomycetes & Basidiomycetes
- d) Ascomycetes & Phycomycetes

3. Ascocarp type of fruiting bodies are found in class-----

- a) Ascomycetes
- b) Basidiomycetes
- c) Phycomycetes
- d) Myxomycetes

4. Basidiomycetes produces -----type of fruiting bodies

- a) Ascocarp
- b) cleistothecium
- c) Basidiocarp
- d) Basidiospore

5. The fungi in which sexual reproduction is absent are classified in class-----

- a) Ascomycetes
- b) Deuteromycetes
- c) Phycomycetes
- d) Myxomycetes

6. The mycelium in ascomycetes is -----

- a) Dikariotic
- b) Monokariotic
- c) Diploid
- d) Multinucleate

7.What are zoospores?

8.Describe basidium

9.Eucarpic thallus

10.Holocarpic thallus

11.Conidium

12.Conidiophore

4 Marks Questions:

1-Give the characters of Deuteromycetes

2- Give the characters of Phycomycetes

3-Give the characters of Myxomycetes

4-Give the characters of Ascomycetes

6 Marks Questions:

1.Give outline classification of fungi as per G.M.Smith upto classes giving example of each class.

2.Differentiate class Phycomycetes and Ascomycetes.

3.Differentiate Div.-Myxomycophyta and Eumycophyta.

4.Describe the general characters of Basidiomycetes.

Economic importance of Fungi

2 Marks Questions:

1-What are antibiotics?

2-What is pathogen?

3-Role of Fungi in cheese making

4-Role of Fungi in bread making

5-Enlist any two organic acids produced by fungi

6-What is Mycorrhiza?

7-Name any two enzymes produced by Fungi

8-One of the common disease caused by fungi is-----

- a)Plague
- b)Cholera
- c)Typhoid
- d)Aspergillosis

09-Penicillin is produced by-----

- a)Aspergillus
- b)Albugo
- c)Penicillium
- d)Spirulina

10-Aspergillus is used for production of -----

- a)Penicillin
- b)Streptomycin
- c)Citric acid
- d)Acetic acid

11-One of fungi used as food from following is -----

- a)Agaricus
- b)Albugo
- c)Penicillium
- d)Aspergillus

12-----fungus is used in production of Alcohol

- a)Yeast
- b)Albugo
- c)Streptomyces

d)Penicillium

13-Smut and rust diseased are caused by-----

a)Bacteria

b)Algae

c)Viruses

d)Fungi

4 Marks Questions:

1.Explain the role of fungi in fermentation industries.

2.Explain symbiotic activities of fungi.

3.Write a note on biodeterioration due to fungi.

4.Explain role of fungi in plant diseases.

5.Explain role of fungi in human and animal diseases.

6.Write a note on “fungi as food”.

6 Marks Questions:

1.Give the economic importance of fungi with respect to agriculture and food.

2.Give the applications of fungi in Industries and Medicine.

3.Describe the harmful activities of fungi.

BRYOPHYTES.

2 Marks Questions:

Q.1 Define diversity?

Q.2 Which plants are higher cryptogamic plants?

CHAPTER 2- Bryophytes

2 Marks Questions:

Q.1 Give any four characters of bryophytes?

CHAPTER 3 Classification of Bryophytes

2 Marks Questions:

Q.1 Give any two examples of class Hepaticae and Anthocerotaceae.

Q.2 Give any two examples of class Hepaticae and Musci

Q.3 Give any two examples of class Anthocerotaceae and Musci

Q.4 Give any four examples of Bryophytes?

Q.5 The common term for class Hepaticae

a) Stone worts

b) Liver worts

c) Horn worts

d) Thorn worts

Q.6 The common term for Anthocerotaceae is

a) Stone worts

b) Liver worts

c) Thorn worts

d) Horn worts

Q.7 The common term for class Musci is

a) Mosses

- b) Sossess
- c) Horn worts
- d) Thorn worts

Q.8 In Bryophytes essential factor for competition of life is

- a) Water
- b) Soil
- c) Light
- d) Fertilizers

Q.9 Bryophytes flourish luxuriantly on

- a) Moist soil
- b) Dry soil
- c) Loamy soil
- d) Sandy soil

Q.10 In Bryophytes the plant body generally is

- a) Liver shaped
- b) Kidney shaped
- c) Heart shaped
- d) Girdle shaped

Q.11 Among the land plants Bryophytes are described as

- a) Amphibious
- b) Terrestrial
- c) Aquatic
- d) Marine

Q.12 The juvenile stage of gametophyte in mosses is known as

- a) Gammae

- b) Bulbils
- c) Protonema
- e) Tubers

Q.13 The protonema in Funaria is composed of

- a) Leaves and buds
- b) Rhizoids and Stolons
- c) Rhizoidal and Aerial branches
- d) Seta and Capsule

Q.14 The spores of Funaria on germination produce

- a) Buds
- b) Calyx
- c) Protonema
- d) Sporophyte

4 Marks Questions:

Q.1 Which plants are higher cryptogamic plants.

Q.2 How gametophyte of hepaticae differ from that of gametophyte of Musci Externally.

Q.3 How sporophyte of Hepaticae differs from sporophyte of Musci.

Q.4 Write on diversity in gametophyte of bryophytes.

Q.5 Write on diversity in sporophyte of bryophytes.

Q.6 Write the general characters of bryophytes.

Q.7 Write a short note on vegetative propagation in bryophyta.

Q.8 State general characters of bryophytes with reference to reproduction and Sporophyte.

Q.9 Describe difference between bryophytes and pteridophytes.

Q.10 Give any four characters of Hepaticae and any two examples of Hepaticae.

Q.11 Give any four important character of class Anthocerotaceae with two examples of class.

Q.12 Write any four important characters of class Musci give two examples of class Musci.

Study of life history of Riccia.

2 Marks Questions:

Q.1 Describe the Rhizoids of Riccia.

Q.2 Give the nature of habitat where Riccia grow well.

Q.3 Sketch and label the thallus of Riccia showing external feature.

Q.4 State the names of methods of Vegetative reproduction in Riccia.

Q.5 Give the name and position of sex organs of Riccia.

Q.6 Give the dehiscence of Antheridium of Riccia.

Q.7 Why sporophyte is dependent on gametophyte in Riccia.

Q.8 Describe dispersal of spores in Riccia.

Q. 9 Write about vegetative reproduction by tubers in Riccia.

Q.10 Describe the structure of Antherozoid in Riccia.

Q.11 What do you mean by spore tetrad?

Q.12 Name any two species of Riccia known to you.

Q.13 Describe the position and structure of seeds in Riccia.

Q.14 Describe the position of sporophyte of Riccia.

Q.15 Mention any two differences of Riccia and Funaria with reference to Sporophyte.

Q.16 Mention any two differences of rhizoids between Riccia and Funaria.

Q.17 Give the position and function of Riccia rhizoids.

Q.18 Comment on upper epidermis of thallus of Riccia.

Q.19 Draw a labeled diagram of structure of spore of Riccia.

Q.20 Describe the structure of spore of Riccia.

Q.21 Describe the habitat of Riccia.

Q.22 Describe the dehiscence of sporophyte of Riccia.

Q.23 Draw a labelled sketch of rhizoids of Riccia.

Q.24 Draw a labelled sketch of scale of Riccia.

Q.25 Draw a labelled sketch of dorsal view of Riccia thallus.

Q.26 Draw a labelled sketch of ventral view of Riccia thallus.

Q.27 Give function of rhizoids and scales of Riccia.

Q.28 The sporophyte of Riccia is

- a) Independent
- b) Dependent
- c) Parasite
- d) Partially dependent

Q.29 Male sex gamete of Riccia is called

- a) Spermata
- b) Conidia
- c) Sporotia
- d) Anthozoid

Q.30 Spores of Riccia are organized in groups.

- a) Two
- b) Four
- c) Six
- d) Five

Q.31 Draw a labeled diagram of archegonia in Riccia.

Q.32 Draw a labeled diagram of anthredium in Riccia.

Q.33 Write a short note on mechanism of dispersal of spores in Riccia

Q.34 Why air pores in Riccia are not called stomata.

Q.35 Is the sporophyte of Riccia wholly dependent on the gametophyte its nutrition and justify your answer.

Q.36 Draw a neat and labeled diagram of T.S. of thallus of Riccia.

Q.37 Comment on photosynthetic region in Riccia thallus.

Q.38 Describe air canals in thallus of Riccia.

4 Marks Questions:

Q.1 Study of life history of Riccia.

Q.2 Give the systematic position of Riccia with two reason at each stage.

Q.3 Write a short note on fertilization in Riccia.

Q.4 describe the structure of mature anthredium in Riccia.

Q.5 Describe structure of mature archegonium in Riccia.

Q.6 Describe different methods of vegetative reproduction in Riccia.

Q.7 Give the functions of two different regions of Riccia.

Q.8 With a labeled diagram describe sporophyte of Riccia.

Q.9 Write a note on sex organs in Riccia.

Q.10 Describe external morphology of adult gametophyte in Riccia.

Q.11 Draw, label and describe the internal structure of thallus of Riccia.

Q.12 Give position and structure of male sex organ in Riccia.

Q.13 Give position and structure of female sex organ in Riccia

Q.14 Describe dehiscence of sporophyte and dispersal of spores in Riccia.

Q.15 Describe the structure of spores and germination of spores and Riccia.

Q.16 How do the bryophytes differ from pteridophytes in structure of thallus.

Q.17 Describe the various types of vegetative propagation observed in Riccia.

6 Marks Questions:

Q.1 Describe the gametophyte of Riccia.

Q.2 Give diagrammatic Reproduction and alternation of generation in Riccia Thallus.

Q.3 Describe habitat required for growth of Riccia. Give distribution of Riccia in India also give systematic position of Riccia With reasons.

Q.4 Sketch, label and describe male and female reproductive structure in Riccia.

Q.5 State the economic importance of bryophytes.

Economic Importance Of Bryophytes

2 Marks Questions:

Q.1 State how bryophyte help in soil erosion.

Q.2 State how bryophyte help in soil building.

Q.3 State any four uses of peat mosses.

Q.4 Describe the role of bryophytes in plant succession.

Q.5 Describe role of bryophyte in conservation of soil.

Q.6 Describe role of bryophyte in development of soil.

Q.7 Describe role of bryophyte as packing material.

Q.8 Describe role of bryophyte in plant growth.

Q.9 Describe any four medicinal uses of bryophytes.

6 Marks Questions:

Q.1 Describe various economic importance of bryophytes.

Pteridophytes

2 Marks Questions:

1. State the nature of habitat required for the growth of pteridophytes.
2. The most primitive land plants are
 - a) Bryophytes b) Pteridophytes
 - c) Gymnosperms d) Fungi
3. Hydrophytic pteridophyte is
 - a) Lycopodium b) Azolla
 - c) Equisetum d) Selaginella
4. Pteridophytes are intermediates between
 - a) Bryophytes and Gymnosperms b) Thallophytes and Bryophytes
 - c) Bryophytes and Angiosperms d) Gymnosperms and Angiosperms
5. Pteridophytes are called
 - a) Non-vascular cryptogams
 - b) Cellular cryptogams
 - c) Vascular cryptogams
 - d) Non-cellular cryptogams
6. Define eusporangiate type of sporangia.
7. Define leptosporangiate type of sporangia.
8. Define heterospory.
9. What is ligule?
10. What is megasporophyll?
11. What is microsporophyll?
12. Define rhizophore.
13. Differentiate between microspore and megaspore.

14. Differentiate between microsporangia and megasporangia.
15. Describe trabeculae.
16. The term vascular cryptogam denote cryptogams with
 - a) Vascular tissue b) Non-vascular tissue
 - c) Parenchymatous tissue d) invisible tissue
17. In pteridophytes sexual reproduction is
 - a) Isogamous type b) Anisogamous type
 - c) Nanogamous type d) Oogamous type
18. Spores in pteridophyta are produced in special structures are called
 - a) Sporangia b) Archegonia
 - c) Antheridia d) gametangia
19. In pteridophyta fertilization occurs in presence of
 - a) Water b) Air
 - c) Light d) High Temperature
20. The origin of seed habit is associated with
 - a) Homospory b) Megasporangia
 - c) heterospory d) Microsporangia
21. Write any two features of pteridophytes showing similarities with Bryophytes.
22. In what respect the sporophyte of Pteridophytes and Spermatophytes are identical.
23. what are homosporous pteridophytes ? Give example.
24. What are heterosporous pteridophytes? Give example.
25. What is prothallus?
26. How rhizophore is considered as supportive feature.
27. Explain with labelled diagram Dictyostele.

28. Explain Endothecium.

29. Define stele, draw and explain protosteles.

30. Distinguish between perigynium and perithecium.

4 Marks Questions:

Q.1 What is diversity? Describe diversity with reference to sporophyte of Pteridophytes.

Q.2 Write about diversity in habitat of pteridophytes.

Q.3 Write diversity in male prothallus of pteridophyta.

Q.4 Write diversity in female prothallus of pteridophyta.

Q.5 Externally how sporophyte of Selaginella differ from sporophyte of Adiantum.

Q. 6 State any eight features of pteridophytes

Q. 7 Write any four distinguishing features of psilophyta.

Q. 8 Differentiate sporophyte of psilophyta and lepidophyta.

Q. 9 Write any four distinguishing features of lepidophyta.

Q. 10 Write any four differences of lepidophyta and calamophyta.

Q. 11 Explain in brief sporangia in pteridophyta.

Chapter-8 Classification of Pteridophytes

2 Marks Questions:

Q1. Plants belonging to division psilophyta

- a) Heterosporous b) Homosporous
- c) Without sporous d) Isosporous

Q2. In division Psilophyta the sporophyte consists of under ground

- a) Root system b) Rhizoid system
- c) Rhizome and rhizoids d) Stem system

Q3. In division Psilophyta vascular cylinder is

- a) Eustelic b) Actinostilic
- c) Protostilic d) Siphonostilic

4 Marks Questions:

- Q1. Differentiate between sporophyte of Calamophyta and Pteridophyta
- Q2. Give in detail distinguishing features of lepidophyta.
- Q3. Give in detail distinguishing features of Psilophyta.
- Q4. Give in detail distinguishing features of Clamophyta
- Q5. Write variation between division psilophyta and lepidophyta
- Q6. Explain characteristic features of lepidophyta give two examples of lepidophyta
- Q7. Explain characteristic features of Pterophyta give two examples.
- Q8. Differentiate between division lepidophyta and pterophyta of pteridophytes.

6 Marks Questions:

- Q 1. Give account of classification of pteridophytes by G M Smith up to classes with at least two examples of each class.

Study of life history of Selaginella

2 Marks Questions:

- Q1. Give systematic position of Selaginella with at least two reasons at each stage of classification.
- Q2. Explain external feature of Selaginella thallus.
- Q3. Explain internal feature of Selaginella thallus.
- Q4. Describe the stele of stem of Selaginella.
- Q5. Sketch and label T.S. of Selaginella stem .
- Q6. Sketch and label T.S. of Selaginella root.
- Q7. Sketch and label T.S. of Rhizophore of Selaginella.
- Q8. Sketch and label L.S. of Strobilus of Selaginella.

- Q9. Describe spermatozoid of Selaginella.
- Q10. Describe structure of mature embryo in Selaginella.
- Q11. Explain stele in Selaginella.
- Q 12. Sketch and label the male gametophyte in Selaginella.
- Q. 13 Sketch and label the female gametophyte in Selaginella.

4 Marks Questions:

- Q1. Describe Antheridium of Selaginella.
- Q2. Describe structure of mature archegonium of Selaginella.
- Q3. Give graphical presentation alternation of generation in Selaginella.
- Q4. Describe in brief morphological nature of the rhizophore of Selaginella.
- Q5. Write a note on mode of fertilization in Selaginella.
- Q 6. Describe in detail external morphology of Selaginella plant with the help of labeled sketch.
- Q7. Habit , Habitat & spore of Selaginella shows diversity. Explain.
- Q8. With the help of labeled sketch explain – internal structure of Selaginella stem.
9. Describe the structure of megasporangium in Selaginella.
10. Describe the structure of microsporangium in Selaginella.
11. Describe dehiscence of microsporangium and megasporangium in Selaginella.
12. Describe spermatozoid with labelled sketch in Selaginella.
13. Describe the structure of archegonium in Selaginella .
14. Describe the process of fertilization in Selaginella.
15. Describe development and structure of mature embryo in Selaginella.
16. Describe how heterospory leads to seed habit.
17. Distinguish the rhizophore of Selaginella from roots of Selaginella.
18. Explain the leaf arrangement of Selaginella.

19. Embryo in Selaginella is endosporic explain.
20. How rhizophore of Selaginella resemble with stem and roots of Selaginella. State two characters of each.
21. Mention any two types of vegetative reproduction in Selaginella.
22. Explain the habitat required for the growth of Selaginella.
23. Explain external feature of leaf of Selaginella.
24. Give the external feature of ligule of Selaginella.
25. Give the structure of Selaginella microspore.
26. Give the structure of megaspore of Selaginella.
27. Explain in brief how dehiscence of sporangia takes place in Selaginella.
28. Give systematic position of Selaginella.
29. Describe structure of microsporangium of Selaginella.
30. Describe structure of megasporangium of Selaginella.
31. Sketch and label the parts of microsporangium and megasporangium of Selaginella.

6 Marks Questions:

1. Describe organization of megaspore & development of female gametophyte in Selaginella.
2. Explain germination of microspore & development of male gametophyte in Selaginella.
3. Selaginella is quite distinct from Adiantum explain in brief.
4. Describe alternation of generation in Selaginella.

Economic importance of Pteridophyte

4 Marks Questions:

- 1) State in brief any four importance of Pteridophyte.
- 2) Give economic importance of Pteridophyte.

FILE No.



स्थापना जून १९७०

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**K.N.Bhise Arts, Commerce and Vinayakrao Patil Science College,
Vidyanagar, Bhosare (Kurduwadi)**

Teaching Notes /PPT/ Any other



Profit and Loss Account Items and Explanations

Nature	Items	Discussions/ Explanations
Revenue	Revenue from Operations	This includes: <ol style="list-style-type: none"> 1. Sale of products 2. Sale of services 3. Other operating revenues <ul style="list-style-type: none"> - In respect to a finance company, revenue from operational shall include revenue from interest, dividend and income from other financial services
	Other Income	<ol style="list-style-type: none"> 1. Interest income (in case of a company other than a finance company), 2. Dividend income, 3. Net gain/loss on sale of investments, 4. Other non-operating income (net of expenses directly attributable to such income).
Expenses	Cost of Materials	It applies to manufacturing companies. It consists of raw materials and other materials consumed in manufacturing of goods.
	Purchase of Stock-in-Trade	It means purchases of goods for the purpose of trading.
	Changes in inventories of - finished goods, - WIP and - Stock-in-Trade	It is the difference between opening inventory (stock) and closing inventory of <ul style="list-style-type: none"> - finished goods, - WIP and - stock-in-trade. Opening Stock xxx Less: Closing stock xxx Changes in Stock xxx
	Employees Benefit Expenses	Expenses incurred on employees towards Salary, wages, leave encashment, staff welfare, etc., are shown under this head. Employees benefit expenses may be further categorised into direct and indirect expenses.
	Finance Cost	It is the expenses towards interest charges during the year on the borrowings. Only the interest cost is to be shown under this head. Other financial expenses such as bank charges are shown under "Other Expenses"
	Depreciation and Amortisation of Expenses	Depreciation is the diminution in the value of fixed assets whereas Amortisation is writing off the amount relating to intangible assets.
	Other Expenses	All other expenses which do not fall in the above categories are shown under other expenses. Other expenses may further be categorised into direct expenses, indirect expenses and non-operating expenses.
	Extraordinary Items	Items includes which are not a part of the company's regular operations <ol style="list-style-type: none"> (a) Loss by fire (b) Loss due to natural calamities e.g flood, earthquake, Cyclone etc. (c) Loss due to war (d) Loss due to changes in Government policies (e) Losses due to Employees expenses due to agreement with retrospective effects (f) Losses of Discontinuation of business operations (g) Profit and loss due to disposal or sale of investments
Exceptional items	Items includes which are a part of the company's regular operations <ol style="list-style-type: none"> (a) Profit/ loss due to disposal or sale of fixed assets (b) Amount received in settlement of insurance claims (c) Other Exceptional items (to be specify) 	

Balance Sheet Items and Explanations

Nature	Items	Discussions/ Explanations								
Liabilities	Share Capital	1) Equity Share Capital For each class of share capital: <ul style="list-style-type: none"> a. Authorised Share Capital b. Issues Capital c. Subscribed Capital d. Called Up Capital e. Paid Up Capital: <table style="margin-left: 20px;"> <tr> <td>Called Up Capital</td> <td style="text-align: right;">xxx</td> </tr> <tr> <td>Less: Calls In Arrears</td> <td style="text-align: right;">xxx</td> </tr> <tr> <td>Add: Calls in Advance</td> <td style="text-align: right;"><u>xxx</u></td> </tr> <tr> <td></td> <td style="text-align: right;">xxx</td> </tr> </table> 	Called Up Capital	xxx	Less: Calls In Arrears	xxx	Add: Calls in Advance	<u>xxx</u>		xxx
	Called Up Capital	xxx								
	Less: Calls In Arrears	xxx								
	Add: Calls in Advance	<u>xxx</u>								
		xxx								
	Reserves and Surplus	2) Preference Share Capital <ul style="list-style-type: none"> 1) Capital Reserve 2) Capital Redemption Reserve 3) Securities Premium Reserve 4) Debenture Redemption Reserve 5) Revaluation Reserve 6) Share Options Outstanding Account 7) Other Reserves (Specifying nature and purpose) 8) Surplus: Balance in statement of profit and loss; disclosing allocations and Appropriation such as dividend, bonus shares, transfer to/from reserve, etc. <p>Significant additions/modifications regarding disclosure of reserve and surplus are as follows:</p> <ul style="list-style-type: none"> a. A reserve specifically represented by earmarked investments shall be termed as "Fund". b. 'Debit' balance of statement of profit and loss shall be shown as a negative figure under 'Surplus' head. c. The balance of "Reserve and Surplus" after adjusting negative balance of Surplus, if any, shall be shown under "Reserve and Surplus" read even if the resulting figure is 'negative' 								
	Long Term Borrowings	<ul style="list-style-type: none"> a) Bonds/debentures; b) Term loans: i) from banks. ii) from other parties c) Deferred payment liabilities; d) Deposits; e) Loans and advances from related parties; f) Long term maturities of finance lease obligations; g) Other loans and advances (specify nature) 								
	Other Long-term Liabilities	Other Long-term Liabilities shall be classified as: <ul style="list-style-type: none"> a Trade payables (long term); b Others. 								
Long-term provisions	<ul style="list-style-type: none"> (a) Provision for employee benefits; (b) Others (specify nature) 									
Short-term borrowings	<ul style="list-style-type: none"> a Loans repayable on demand; <ul style="list-style-type: none"> i) From banks. ii) from other parties. b Loans and advances from related parties; c Deposits; d Other loans and advances (specify nature). 									
Trade Payables	Short Term Trade Payables <ul style="list-style-type: none"> (a) Sundry Creditors (b) Bills Payables 									



Liabilities	Other current liabilities	<ul style="list-style-type: none"> a Current maturities of long-term debt; b Current maturities of finance lease obligations; c Interest accrued but not due on borrowings; d Interest accrued and due on borrowings; e Income received in advance; f Unpaid dividends; Application money received for allotment of securities and due for refund and interest accrued thereon g Unpaid matured deposits and interest accrued thereon; (h Unpaid matured debentures and interest accrued thereon; i Other payables (specify nature).
	Short-term provisions	<ul style="list-style-type: none"> (a) Provision for employee benefits. (b) Others (specify nature)

Assets	Tangible assets	<ul style="list-style-type: none"> (a) Land; (b) Buildings; (c) Plant and Equipment; (d) Furniture and Fixtures; (e) Vehicles; (f) Office equipment; (g) Others (specify nature)
	Intangible assets	<ul style="list-style-type: none"> (a) Goodwill; (b) Brands /trademarks; (c) Computer software; (d) publishing titles; (e) Mining rights; (f) Copyrights, and patents and other intellectual property rights, services and operating rights; (g) Recipes, formulae, models, designs and prototypes; (h) Licences and franchise; (i) Others (specify nature).
	Non-current investments	<p>All Long Term Investments in</p> <ul style="list-style-type: none"> a Investment property; b Investments in Equity Instruments; c Investments in preference shares; d Investments in Government or trust securities; e Investments in debentures or bonds; f Investments in Mutual Funds; g Investments in partnership firms; h Other non-current investments (specify nature).
	Long-term loans and advances	<ul style="list-style-type: none"> (a) Capital Advances; (b) Security Deposits; (c) Loans and advances to related parties (giving details thereof); (d) Other loans and advances (specify nature).
	Other non-current assets	<ul style="list-style-type: none"> (a) Long-term Trade Receivables (including trade receivables on deferred credit terms); (b) Others (specify nature);
	Current Investments	<p>All Short term Investments in</p> <ul style="list-style-type: none"> a Investments in Equity Instruments; b Investment in Preference Shares; c Investments in Government or trust securities; d Investments in debentures or bonds; e Investments in Mutual Funds; f Investments in partnership firms; g Other investments (specify nature)

Assets	Inventories	<ul style="list-style-type: none"> a Raw materials; b Work-in-progress; c Finished goods; d Stock-in-trade (in respect of goods acquired for trading); e Stores and spares; f Loose tools; g Others (specify nature)
	Trade Receivables	Short Term Trade receivables <ul style="list-style-type: none"> a Sundry Debtors b Bills Receivables
	Cash and cash equivalents	Cash and cash equivalents shall be classified as: <ul style="list-style-type: none"> a Balances with banks; b Cheques, drafts on hand; c Cash on hand; d Others (specify nature)
	Short-term loans and advances	<ul style="list-style-type: none"> (a) Short term Loans and advances to related parties (giving details thereof); (b) Others (specify nature).
	Other current assets	<ul style="list-style-type: none"> (a) Interest accrued but-not due on Advances or investments; (b) Interest accrued and due on Advances or investments; ; (c) Prepaid Expenses (d) Advance payments of Taxes (e) Fictitious Assets (not to be written off) (f) Other payables (specify nature).

Consignment Accounts

Revision: Past Examination Problems

Preparation of Account Sales

P 1. Prepare an Account Sales from the following information:

Consignor – M/S. Suyog Trading Co. Pune

Consignee – M/S. Shravani Traders, Solapur

Sale – 50 machines at Rs. 2,000 each

Commission – 12% on sales

Expenses of the consignee:

a) Railway freight Rs. 5,000

b) Insurance Rs. 5,000

c) Godown Rent Rs. 3,000

Advance sent Rs. 15,000

Balance remitted along with the Account Sale by bank draft dated on 4th May 2013.

(March 2015 New)

P 2. Prepare an Account Sale from the following information:

1) Consignor: M/s Fruit Corner, Saat Rasta, Solapur.

2) Consignee: M/s Health Centre, Laxmi Road, Pune.

3) Sales: 3 boxes of Dry Fruits @ Rs. 6,000 each and 5 boxes @ Rs. 7,500 each (Out of 10 boxes received)

4) Advance: Rs. 30,000 paid by the Consignee.

5) Consignee's Expenses: Wages Rs. 500, Rent Rs. 300,

Discount allowed Rs. 690, Commission Rs. 2,760

Balance due is sent by bank draft along with the Account Sales, Date 15th March 2017.

(Oct. 2017, Oct 2018)

P 3. Prepare an Account Sale from the following:

Consignor: M/s Siddeshwar Bhakt

Consignee: Tukaram Adhikari

Sale: 100 fabricated stalls @ Rs. 20,000

Expenses of Consignee: Wages Rs. 10,000, Insurance Rs. 10,000

Commission: 5% on sales. (Oct. 2017)

Calculation of Closing Stock

P 4. A consigned 2000 tonnes of coal @ Rs. 50 per tonne to B of Delhi. He paid Rs. 20,000 as freight. Due to normal wastage only 1,950 tonnes were received by B. He also paid Rs. 5,000 as unloading and cartage charges. The goods unsold amount to 650 tonnes. You are required to calculate the value of closing stock. (March 2014 new)



P 5. M/s Onkar Trading consigned 2000 LED sets @ Rs. 12,000 each to M/s Anjum and Co. Onkar Trading Co. paid Rs. 20,000 as freight. Due to normal wastage only 1950 sets were received by M/s Anjum and Co. M/s. Anjum and Co. paid Rs. 5,000 as unloading and carriage charges.

The unsold LED sets are 650.

You are required to calculate the value of closing stock. **(March 2015 old)**

P 6. From the following information show only consignment stock at invoice price and stock reserve in Consignment A/c.

- i. 800 Fans sent at invoice price of Rs. 168 per fan, which is 20% above cost.
- ii. Rs. 1,200 were spent by consignor on loading and transportation.
- iii. Consignee sold 600 Fans @ Rs. 200 each.
- iv. Consignee spent Rs. 150 insurance, Rs. 500 carriage and Rs. 700 octroi. **(Oct. 2014 old)**

P 7. Sachin consigned 100 computer sets each costing Rs. 25,000 to Rahul to be sold on the commission of 10% on sales. The expenses paid by Sachin were freight Rs. 1,000, insurance Rs. 5,000 and packing charges Rs. 3,000. The account sales sent by Rahul indicated that he sold 75 computers at Rs. 30,000 each for which he incurred the following expenses. Carriage Rs. 500, Octroi Rs. 1,000, Godown Rent Rs. 10,000 and Advertisement Rs. 5,000. Ascertain the value of closing stock. **(Oct. 2015 old)**

P 8. Cost of goods sent on Consignment Rs. 30,000. Cost of stock with Consignee Rs. 8,000. Expenses incurred by consignor: Freight Rs. 100, Insurance Rs. 300. Expenses incurred by consignor: Carriage Rs. 250, Octroi Rs. 300, Advertisement Rs. 500, Insurance Rs. 400.

Calculate the value of closing stock. **(March 2017)**

P 9. Cost of goods sent on consignment Rs. 40,000.

Cost of Stock with Consignee Rs. 10,000.

Expenses incurred by the Consignor: Freight Rs. 1,200; Insurance ₹400;
Sundry Expenses ₹ 200.

Expenses incurred by the Consignee: Carriage ₹ 100; Octroi ₹ 500;
Advertisement ₹ 200; Insurance ₹ 250.

Ascertain the value of Closing Stock. **(March 2017)**

P 10. Cost of goods sent on consignment Rs. 20,000

Cost of stock with consignee Rs. 5,000

* Expenses incurred by the consignor :

Freight Rs. 600, Insurance Rs. 200 and Sundry expenses Rs. 100

* Expenses incurred by the consignee : Carriage – Rs. 50, Octroi – Rs. 250,
Insurance – Rs. 125, Advertisement – Rs. 100

Ascertain the value of closing stock. (Oct. 2018)

Calculation of Commission

P 11. From the following information calculate total commission:

- i. Cash sales: 1500 kgs @ Rs. 100 per kg.
- ii. Credit sales: 500 kgs @ Rs. 120 per kg.
- iii. Invoice price Rs. 80 per kg.
- iv. Normal commission @ 5%, Del Credere commission @ Rs. 2% and special commission @ 20% on excess of invoice price. (March 2014 old)

P 12. From the following information calculate Total Commission. 5 Ganesh Traders, Solapur consigned 5,000 chaddars to Samarth Traders, Akkalkot at invoice price of Rs. 200 per chaddar, which is cost plus 25%. Chaddars may be sold at invoice price or above.

The consignee is entitled to a commission @ 5% on invoice price, @ 20% of excess of invoice price and @ 2% del credere commission on credit sales. Samarth Traders sold 3,000 chaddars at Rs. 250 each for cash and 1,000 chaddars at Rs. 300 each on credit. (Oct. 2014 new)

P 13. From the following information calculate total commission.

Siddheshwar Machines, Solapur consigned 400 machines to Kiran Agencies, Pune at invoice price, which is cost plus 25%. The cost price of each machine is Rs. 800/-. Machines may be sold at invoice price and above.

The Consignee is entitled to a commission @ 6% on invoice price, @ 25% of excess of invoice price and 3% Del credere commission on credit sales.

Kiran Agencies sold 250 Machines at Rs. 1,250 each for cash and 100 Machines at Rs. 2,000 each on credit. (Oct. 2016 new)

Long problems

P 14. On 1st June 2005, Solapur Coal Trader consigned to Kolhapur Coal Trader 2050 tons of coal costing Rs. 3,07,500/- and paid Lorry freight thereon was Rs. 82,000.

On 25th December, an Account Sales was received from Kolhapur Coal Trader showing 1000 tons sold at Rs. 320 per ton, sales expenditure Rs. 23,760/-, Octroi expenses Rs. 4,000/- and commission 10% on sales.

The consignee enclosed a Bank draft for the proceeds less expenses and reported a shortage of 50 tons on the whole consignment.

Show Consignment A/c and Consignee's A/c in the books Solapur Coal Traders. (March 2014 old)

P 15. On 1st June 2012, Sunny Oil Ltd., consigned to Pune Oil Ltd. 2,000 litres of oil at invoice price Rs. 50/- per litre, which is at cost plus 25% and paid Lorry freight thereon was Rs. 9,500/-

On 25th August, an Account Sales was received from Pune Oil showing 1,500 litres sold at Rs. 70 per litre, sales expenditure Rs. 2,000/-, Octroi expenses Rs. 3,800/- and Commission 5% on sales.

The consignee enclosed a Bank draft for the proceeds less expenses and reported a shortage of 100 litres due to leakage, which is to be treated as normal loss on the whole consignment.

Show Consignment A/c and Consignee's A/c in the books Sunny Oil Ltd., presuming that the consignment stock is kept at invoice price. (Oct. 2014 new)

P 16. Bharat Petroleum consigned 5,000 litres of Petrol to its agent Naval Petroleum a cost of Rs. 75 per litre. The agent is to sell petrol on behalf of the company to the registered dealers at Rs. 85 per litre. He is entitled to a selling commission of 3%.

Bharat Petroleum incurred the following expenses:

Loading charges Rs. 5,000, Freight and Ins. Rs. 9,850.

The agent actually received 4,950 litres only due to evaporation and leakage.

The Agent incurred following expenses:

Clearing charges Rs. 9,900, Repairs and other exps. Rs. 5,000.

The Agent sold 4450 litres at scheduled rate. After deducting his commission and expenses the agent sent a Bank Draft for the balance due.

Prepare Consignment A/c and Agent's A/c in the books of Bharat Petroleum. (Oct. 2014 old)

P 17. On 1st June, 2013, Benerjee and Co. of Baroda consigned to Mukerjee and Co. of Mahmad 100 fans invoiced at Rs. 450 each, which was 25% above their cost price. Banerjee and Co. has paid Rs. 100 for packing Rs. 50 for insurance and Rs. 350 for carriage.

On 1st Oct. 2013, Mukerjee and Co. sold 75 fans for Rs. 40,000 the expenses incurred there on being Rs. 1,600. Mukerjee and Co. is entitled to get ordinary commission at 5% and 25% del-credere commission on sales. They remitted Rs. 30,000 to Banerjee and Co. Pass the Journal Entries in the books of Consignor. (March 2014 new)

P 18. M/S Ajanta Agencies of Akola sent consignment of 1,500 cases of Toys costing Rs. 400 per case to M/S Ganesh Traders, Solapur and paid Railway freight Rs. 13,000, Carting Rs. 3,000 and other expenses Rs. 27,000. The goods were charged at pro-forma invoice price. So as to show a profit of 20% on sales.

Consignment is entitled to a commission of 7.5% on total sales and 2% on credit sales. He accepted bill for Rs. 3, 00,000 drawn by consignor.

An account sales was received from M/S Ganesh Traders informing as under:

1) 1,200 cases were sold for Rs. 6, 90,000 out of which cash sales were for Rs. 3, 40,000.

2) **Expenses incurred:**

Advertisement Rs. 7,350

Discount Rs. 6,500

Other expenses Rs. 3,000.

3) Commission is charged as per terms –

M/S Ganesh Traders sent a Bank draft for Rs. 3, 00,000 together with account sales.

Prepare: 1) Consignment A/c and 2) Consignee's A/c in the books of consignor.

(March 2015 New)

P 19. On 1st April 2014 Uday and Sons of Solapur consigned goods of Rs. 11,000 to Raj and Co. Bangalore at a proforma invoice value of Rs. 15,000. Uday and Sons paid Rs. 400 for freight and insurance. Raj and Co. paid Rs. 1,000 for carriage and other expenses. Raj and Co. sent a bank draft of Rs. 2,000 to Uday and Sons as an advance Raj and Co. sold all goods for Rs. 16,000 and get a commission at 5% on sale proceeds. Raj and Co. remitted balance after deducting its commission and expenses.

Prepare consignment Account, Raj and Co. A/c in the books of Uday and Sons. (March 2015 old, Oct. 2018)

Cash Flow Statement

Details: Statement of Changes in Financial Preparation of cash flow statement as per Accounting Standard (AS):3(Revised) (ICAI): Indirect method only.

Cash Flow Statement:

Cash Flow Statement are prepared to explain the cash movements between two points of time

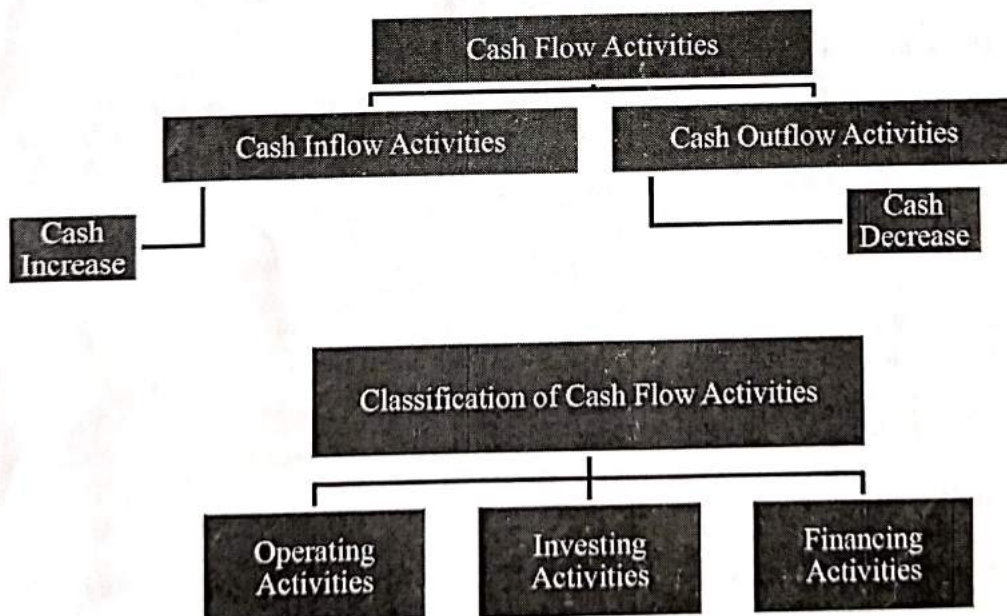
Accounting Standard 3 - Cash Flow Statement

Cash Flow Statement deals with flow of cash which includes cash and cash equivalents. It shows the incoming and outgoing of cash. Cash-Flow statement is a summary of receipts and disbursements of cash for a particular period of time. It also explains reasons for the changes in cash position of the business.

Cash flows are cash inflows and outflows. Transactions which increase the cash position of the entity are called as inflows of cash and those which decrease the cash position as outflows of cash.

The statement of cash flow shows three main categories of cash inflows and cash outflows, such as Operating Activities, Investing Activities and Financing Activities.

- (a) **Operating activities** are the principal and major revenue generating activities of the enterprise.
- (b) **Investing activities** include the acquisition and disposal of long-term assets and other investments not included in cash equivalents.
- (c) **Financing activities** are activities that result in change in the size and composition of the owner's capital (including Preference share capital in the case of a company) and borrowings of the Business.



As per AS 3 cash inflows and outflows are

Operating Activities	
Cash Inflow	Cash Outflow
<ul style="list-style-type: none"> - Cash sales - Cash collection from debtors - Cash received from fees, commission etc. - Royalties received - Other revenues and incomes received 	<ul style="list-style-type: none"> - Cash purchases - Cash operating expenses - Payment of wages - Payment of creditors - Payment of income tax etc.

Investing Activities	
Cash Inflow	Cash Outflow
<ul style="list-style-type: none"> - Sale of Fixed Assets - Sale of Investments - Interest Received - Dividend Received etc. 	<ul style="list-style-type: none"> - Purchase of Fixed assets - Purchase of Investments

Financing Activities	
Cash Inflow	Cash Outflow
<ul style="list-style-type: none"> - Issue of Shares for cash - Issue of debentures for cash - Issue of bonds for cash - Proceeds from Short term and long term borrowings etc. 	<ul style="list-style-type: none"> - Dividend paid on shares - Interest paid on debentures, loans and borrowing - Cash repayments of loans and borrowings - Payments for redemptions of shares and debentures etc.

Indirect Method:

A] Cash Flow from Operating Activities:

Particulars	Rs.	Rs.
Net profit for the year		xxx
Add: Non-Cash and Non-Operating Expenses:		
- Depreciation	xxx	
- Loss on Sale of Assets	xxx	
- Provision for Taxation	xxx	
- Other Non-Cash Provisions, etc.	xxx	xxx
Less: Non-Cash and Non-Operating Incomes:		
- Profit on Sale of Assets	xxx	
- Other Non-Cash Incomes, etc.	xxx	xxx
Net Profit after Adjustment for Non-Cash Items		xxx
Less: Increase in Working Capital		
- Increase in Current Assets	xxx	
- Decrease in Current Liabilities	xxx	xxx
Add: Decrease in Working Capital		
- Decrease in Current Assets	xxx	
- Increase in Current Liabilities	xxx	xxx
Cash From Operations	xxx	xxx

trading
PAC

BLS

Cash Flow Statement (Indirect Method)
For the year/period ending

Particulars	Rs.	Rs.
Cash Flows From Operating Activities:		
Net profit for the year before Taxation	xxx	
Add: Non-Cash and Non-Operating Expenses:		
- Depreciation	xxx	
- Loss on Sale of Assets	xxx	
- Provision for Taxation	xxx	
- Other Non-Cash Provisions, etc.	xxx	
Less: Non-Cash and Non-Operating Incomes:		
- Profit on Sale of Assets	(xxx)	
- Other Non-Cash Incomes, etc.	(xxx)	
Net Profit after Adjustment for Non-Cash Items	xxx	
Less: Increase in Working Capital		
- Increase in Current Assets	(xxx)	
- Decrease in Current Liabilities	(xxx)	
Add: Decrease in Working Capital		
- Decrease in Current Assets	xxx	
- Increase in Current Liabilities	xxx	
Cash From Operations	xxx	
Less: Income Taxes Paid	(xxx)	
I] Net cash Generated From Operating Activities	xxx	xxx
Add: Cash Flows from Investing Activities:		
- Purchase of Assets	(xxx)	
- Sale of Assets	xxx	
- Purchase of Investments	(xxx)	
- Sale of Investments	xxx	
- Interest Received	xxx	
II] Net Cash used in Investing Activities	xxx	xxx
Add: Cash Flows from Financing Activities:		
- Issue of Share Capital	xxx	
- Issue of Debentures	xxx	
- Issue of Bonds	xxx	
- Repayments of Shares	(xxx)	
- Repayment of Debentures	(xxx)	
- Interest Paid	(xxx)	
- Dividend Paid	(xxx)	
III] Net Cash from Financing Activities	xxx	xxx
Net increase in Cash and Cash equivalents (I + II +III)		xxx
Cash and Cash equivalents at the beginning of the period		xxx
Cash and Cash equivalents at the end of the period		xxx