

# Shri. Shivaji Education Society, Amravati's ARTS AND COMMERCE COLLEGE, JARUD

Website: www.artscollegejarud.org

**Criterion 2: Teaching-Learning and Evaluation** 

2.5.1: Mechanism of internal/external assessment is transparent and the grievance redressal system is time-bound and effective



# ARTS AND COMMERCE COLLEGE, JARUD (run by Shri Shivaji Education Society, Amravati)

Tah. Warud, Dist. Amravati - 444 908

Website : artscollegejarud.org., E-mail : accjarud@gmail.com (College Code :137)

#### NAAC Accredited 'B' Grade

President Shri Harshwardhan Deshmukh Shri Shivaji Education Society, Amravati

Principal Dr. G. R. Tadas M.A.(Econamics),M.Phill,Ph.D.

Founder President Dr.Panjabrao alias Bhausaheb Deshmukh M.A., D.Phill.,L.L.B.Bar-at-Law

Date: 15/05/2023

#### Declaration

This is to declare that the information, Reports, true copies and numerical data etc. furnished in this file as supporting documents is verified by IQAC and found correct.

linator. IQAC sets & Commerce College, Jarud

Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

Contact No. : 9422857029 / 9421819966

ARTS AND COMMERCE COLLEGE, JARUD

Mechanism Internal / External Assessment Is Transparent and The Grievance Redressal System Is Time-Bound and Efficient

## SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

DIRECTIONS - 2017 (Credit and Grade System) D) Equivalence of the conventional division/class with the CGPA in final semester is in accordance with the following table 3.

TABLE-2									
Sr. No.	CGPA	Class/Division							
1.	7.5 or more than 7.5	First Class with Distinction							
2.	6.00 or more but less than or equal to 7.49	First Class							
3.	5.50 or more but less than or equal to 5.99	Higher Second Class							
4.	5.00 or more but less than or equal to 5.49	Second Class							
5.	4.00 or more but less than or equal to 4.99	Pass							

## Equivalence of Class/Division to CGPA

E) Degree will be awarded on the basis of the performance of CGPA of the course.

#### \*\*\*\*\*

## SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE

Official Publication of Sant Gadge Baba Amravati University

PART ONE

#### (Extra Ordinary)

## Tuesday, the 27th June, 2017

#### DIRECTION

No. 09/2017

#### Date : 27/ 6/2017

## Subject :- Examinations leading to the Degree of वाड्मय स्नातक (Bachelor of Arts) (Three Years -Six Semester Degree Course) (Credit & Grade System ), Direction 2017

Whereas, Ordinance No.146 in respect of Examinations Leading to the Degree of Bachelor of Arts) (Three Year Degree Course), is in existence in the University.

#### AND

Whereas, the then Faculty of Arts (including Fine Art) has prepared the Draft Scheme of teaching and examination alongwith Draft Ordinance / Regulation for the Degree of Bachelor of Arts as per Semester and Credit & Grade System & refered it to the various Board of Studies in the Faculty of Arts.

#### AND

Whereas, various Board of Studies in then Faculty of Arts recommended the Draft scheme of teaching and examination alongwith Draft Ordinance / Regulation for the Degree of Bachelor of Arts. as per Semester and Credit & Grade System to the Faculty.

#### AND

Whereas, the Hon'ble Vice- Chancellor has approved scheme of teaching and examinations alongwith Draft Ordinance / Regulation for the Degree of Bachelor of Arts Under Section 12(7) of the Maharashtra Public Universities Act, 2016. on behalf the Faculty of Humanities and recommended it to the Academic Council

#### AND

Whereas, the Academic Council in its meeting held on 6.6.2017 vide Item No.43 accepted the above recommendation of the Faculty of Humanities to be implemented from the Academic Session 2017-18

#### AND

Whereas, the above schemes of teaching and examinations and provisions are to be regulated by framing the Ordinance/ Regulation.

#### AND

Whereas, making Ordinance/ Regulation is a time consuming process.

Now, therefore I, Murlidhar Chandekar Vice-Chancellor, Sant Gadge Baba Amravati University, Amravati in exercise of powers conferred upon me under Sub-section (8) of Section 12 of the Maharashtra Public Universities Act, 2016 do hereby direct as under-

- This Direction may be called, "Examinations Leading to the Degree of वाड.मय रनातक (Bachelor 1. of Arts) (ThreeYears -Six Semester Degree Course) (Credit and Grade System) Direction, 2017.
- This Direction shall come into force w.e.f. the date of its issuance. 2. 3.

There shall be Six Examinations leading to the Degree of Bachelor of Arts, namely: i)

- the B.A. Semester-I & II at the end of the each semester; (ii)
- the R A Semester-III & IV at the end of the each semester:

- 7. Subject to his compliance with the provisions of this Ordinance and of other Ordinances in force from time to time, an applicant for admission to वाड.मय रनातक (B.A. Sem-I Examination shall have passed:-
  - (i) the 12<sup>th</sup> Standard Examination of Maharashtra State Board of Secondary and Higher Secondary Education or an examination recognized as equivalent thereto with English as one of the subject of passing and in such subjects and with such standards of attainments as may be prescribed;

#### OR

 (ii) the XII Standard Examination of Maharashtra State Board of Secondary and Higher Secondary Education in Vocational Stream with English as one of the subject of passing.

#### OR

(iii)the Diploma in Education (D.Ed.) (Two years course) of Maharashtra State Educational Research and Training Council, Pune with English as one of the subject of passing.

#### OR

(iv)Minimum Two Years course after 10<sup>th</sup> standard approved by Government of Maharashtra with English as one of the subject of passing

8. The subjects of Examinations shall be as under-

For the B.A. Part-I (Sem-I) examination -

- i) Any one of the following compulsory languages namely
  - a) Modern Indian Languages :- Marathi, Hindi, Urdu, Telugu, Bengali, Gujrathi or Supplementary English
  - b) Classical Languages :- Sanskrit, Persian, Aabic, Pali & Prakrit and Supplementary English or Latin.
  - c) Modern European Languages :- French, German or Russian.

## ii) Compulsory English

- iii) Any three of the following subjects, namely;
  - 1) English Literature
  - 2) Literatures of the Modern Languages, viz, Marathi, Hindi, Urdu, Telugu, Bengali, Gujarathi, French, German or Russian.
  - 3) Literatures of the Classical Languages, viz, Sanskrit, Arabic, Persian or Pali and Prakrit.
  - 4) History
  - 5) Geography
  - 6) Economics
  - 7) Philosophy
  - 8) Music (Indian or European)
  - 9) Home Economics
  - 10) Sociology
  - 11) Psychology
  - 12) Ancient Indian History and Culture

13) Political Science

- 14) Mathematics
- 15) Statistics
- 16) Public Administration
- 17) Linguistics
- 18) Community Development & Extension
- 19) Co-operation

- 9) Subject to his/her compliance with the provisions of this Ordinance and other Ordinances pertaining to Examination in force from time to time, the applicant for admission, at the end of the course of study of a particular semester/session, to an Examination specified in column (1) of the table below, shall be eligible to appear if
  - i) he/she satisfies with the conditions in the table and the provisions thereunder.
  - ii) he/she complies with the provisions of the ordinance pertaining to the Examination in general from time to time.
  - iii) he/she has prosecuted a regular course of study in a college affiliated to the University.
  - iv) he/she has in the opinion of the Principal shown satisfactory progress in his/her studies.

Name of the Exam.	The student should have passed the exam. of	The student should have satisfactorily completed term work of the following session/ semester	
B.A. Semester-I	As mentioned in Para 6		
B.A. Semester-II		B.A. Semester-I	
B.A. Semester-III		B.A. Semester-II	2/3 <sup>rd</sup> Heads of I & II Semester combined together
B.A. Semester-IV		B.A. Semester-III	-do-
B.A. Semester-V	B.A. I & II Semester	B.A. Semester-IV	2/3 <sup>rd</sup> Heads of III & IV Semester combined together
B.A. Semester-VI		B.A. Semester-V	-do-

Explanation :

- i) While calculating 2/3 rd heads of passing, fraction if any shall be ignored
- For considering the heads of passing, every theory and every practical/Internal shall be considered as separate head of passing.
- iii) An examinee who has passed 2/3rd heads of passing shall be allowed to keep term in the next higher class.

Without prejudice to the other provisions of Ordinance No. 6 relating to the Examination in General, the provisions of Paragraphs 5,7,8,10,27,31,32 & 33 of the said Ordinance shall apply to every Collegiate candidate.

- 10.The fee for each examination and practical examination shall be as prescribed by the University, from time to time.
- 11. An applicant for admission to an examination shall satisfy the Head of the Department /Principal in the Terminal and other Tests conducted during the academic year regarding his suitability to take the examination.
- 12. The Scheme of Teaching & Examination, credits to be given with the maximum marks allotted to the Sessional Examination in each paper, the written part and the practical part for each of the six examinations and Computation of SGPA and CGPA, shall be as indicated in concerned Annexures.
- (i) The scope of the subjects shall be as indicated in the Syllabus.
  (ii) The medium of instructions and examinations shall be Marathi / Hindi / English.
- 14. The Head/ Principal shall maintain in his office a complete record of marks obtained by the candidate in the sessionals. He shall send it to the University in a sealed cover the final marks in sessional examination obtained by every applicant.
- 15. For internal Examination of 20 marks the concerned subject teacher shall asses the students on following points.

- 20. A candidate who could not complete a semester satisfactorily or who has failed will be eligible for readmission to the same semester. However readmission to semester should be allowed only when a regular session is running for the particular semester.
- (i) The successful examinees shall be eligible for award of the Degree of Bachelor of Arts.
   (ii) The Degree certificate in the prescribed form, shall be signed by the Vice-Chancellor.

Date:27 /6/2017

Sd/-(Dr.Murlidhar Chandekar) Vice-Chancellor, Sant Gadge Baba Amravati University.

Annexure-'A'
Scheme of Teaching & Examinations for Semester & Credits Pattern
Bachelor of Arts (B.A.) Semester I to VI

S.N.	Subject	Te	aching Sche	eme	Examination Scheme							
						N	lax. Mar	ks	N	lin. Marl	KS	
		Theory Credits	Pra./ Int. Ass. Credits	Total Credits	Durat- ion of Exam.	Th.	Int. Ass.	Pra.	Th.	Int. Ass.	Pra.	
1	Compulsory English	3	1	4	3 hrs.	80	20	-	32	8		100
2	Second language	3	1	4	3 hrs.	80	20	-	32	8	-	100
	Non-Practical Subjects				e mor	00	20		34	0	-	100
3	Optional –I	3	1	4	3 hrs.	80	20	2	32	8		100
4	Optional –II	3	1	4	3 hrs.	80	20	-	32	8	-	100
5	Optional -III	3	1	4	3 hrs.	80	20		32	8		0.07/07/
201	Practical Subjects				5 11.5.	00	20	-	52	0	-	100
3	Optional –I	2	1 1	4	3 hrs.	50	20	30	20	8	12	100
4	Optional –II	2	1 1	4	3 hrs.	50	20	30	20	8	12	
5	Optional -III	2	1 1	4	3 hrs.	50	20	30	20	8		100
	Total			20	5 14 5.	50	20	50	20	0	12	100

Notes :

- 1) Distribution of Marks of Theory
  - For Non-Practical Subjects :
  - a) 64 Marks for descriptive type questions.
  - b) 16 Marks for Multiple choice questions.
  - For Practical Subjects :
  - a) 40 Marks for descriptive type questions.
  - b) 10 Marks for Multiple choice questions.
- Second Language: Student should opt any one language from the list of language subjects as given in Annexure B
- Optional subjects: Student should opt any three subjects from the list of optional subjects as given in Annexure C
- 4) The students once offered the subjects in first Semester, it shall be continued in Semester-II to VI
- There shall be five units / questions of 16 marks for non-practical subjects & 5 units / questions of 10 marks for practical subjects
- A) The Executive Council dated ½-4-1977 has prescribed the Teaching Periods in the various subjects as follows.

- B) SUBJECTS WHERE PRACTICALS ARE PRESCRIBED FOR B.A. PARTS I, II AND FINAL.
  - i) Music: 6 practicals and 2 theory periods. The number of students should not exceed 7 per batch for practical.
  - ii) **\*\*Geography : 5** lectures and 1 practical of 2 periods per week . The number of students should not exceed 16 per batch for Practical.
  - \*Psychology: 4 theory periods and 3 Practical per week per batch of 16 students and 1 periods for Statistics per week.
  - iv) \*\*Home Economics : 5 Lectures and 1 Practical of 2 periods per week for a batch of 16 students.
  - v) Statistics : For B.A.Part-I : 5 theory lectures and 4 practical periods (2 periods each per week)
  - vi) Statistics : For B.A.Part-II and Final : 5 theory lectures and 6 practical periods per week.
  - vii) Mathematics : B.A.Part-I II and Final : 9 theory periods and 1 tutorial for a batch of 20 students per week.

\*As modified by the Executive Council dated 27/28-4-1979

\* As modified by the Executive Council dated 22-9-1977

\* As per letter Nos. NGC/3299/ताबि/अबि/४१४६५/मवि-२ & NGC/3299 ताबि/अवि/४६९०१/अवि मबि-२ dated 5.7.1999 & 24.1.2000 respectively received from Director of Education (Higher Education) Pune and approved / noted by the Academic Council meeting dated 5.6.99 & 11.4.2000 vide Item No. 33 & 33 respectively.

- Note : \*\* As accepted by the Academic Council Dt. 6.5.2015 and notified vide Noti. No. 24 & 25/2016 in Gaz.Part-Two.
- C) i) Academic Council in its meeting held on 6.5.2015 vide item No. 39 has approved to increase in the existing work-load i.e.from "4 lectures and 1 Practical of 2 Periods per week to 5 lectures and 1 Practical of 2 Periods per week" for the subject Home Economics at graduate level.

ii) Academic Council in its meeting held on 6.5.2015 vide item No. 40 & 41 has approved to reduce the existing intake capacity for practical batch from 20 to 16 students for Home Economics & Geography subject

#### Annexure-B

## Second Language : Students should of any one language from the following.

- a) Modern Indian Languages :- Marathi, Hindi, Urdu, Telugu, Bengali, Gujrathi or Supplementary English
- b) Classical Languages :- Sanskrit, Persian, Aabic, Pali & Prakrit and Supplementary English or Latin.
- c) Modern European Languages :- French, German or Russian.

#### Annexure-C

- Optional Subjects : Students should of any three Subjects from the following.
  - 1) English Literature

2) Literatures of the Modern Languages : Marathi, Hindi, Urdu, Telugu, Bengali, Gujarathi, French, German or Russian.

- 3) Literatures of the Classical Languages: Sanskrit, Arabic, Persian or Pali and Prakrit.
- 4) Mathematics
- 5) History
- 6) Geography
- 7) Economics
- 8) Philosophy
- 9) A) Indian Music B) European Music
- 10) Home Economics
- 11) Sociology
- 12) Psychology
- 13) Statistics
- 14) Ancient Indian History and Culture
- 15) Political Science
- 16) Public Administration
- 17) Linguistics
- 18) Community Development & Extension
- 19) Co-operation

#### Annexure-D

#### Credit-grade based performance and assessment system (CGPA)) Features of the Credit System

#### A) DEFINITION

- Credit Based Semester System (CBSS): Under the CBSS, the requirement for awarding a degree or diploma or certificate is prescribed in terms of number of credits to be completed by the students.
- 2) Credit Point: It is the product of grade point and number of credits for a course.
- 3) Credit: A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.

4) Cumulative Grade Point Average (CGPA): It is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points secured by a student in various courses in all semesters and the sum of the total credits of all courses in all the semesters. It is expressed up to two decimal places.

- 5) Grade Point: It is a numerical weight allotted to each letter grade of a 10 point scale.
- 6) Letter Grade: It is an index of the performance of students in a said course. Grades are denoted by letters O,A+,A,B+, B, C,P and F.
- 7) **Programme:** An educational programme leading to award of a Degree, diploma or certificate.
- 8) Semester Grade Point Average (SGPA): It is a measure of performance of work done in a semester. It is ratio of total credit points secured by a student in various courses registered in a semester and the total course credits taken during that semester. It shall be expressed up to two decimal places.
- 9) Semester: Each semester will consist of 15-18 weeks of academic work of academic work equivalent to 90 actual teaching days. The odd semester may be scheduled from July to December and even semester from January to June.
- 10) **Transcript or Grade Card or Certificate:** Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The grade certificate will display the course details (code, title, number of credits, grade secured) alongwith SGPA of that semester and CGPA earned till that semester.

#### **B) LETTER GRADES AND GRADE POINT:**

1. The UGC recommends a 10-point grading system with the following letter grades as given below:

Grade	Description	Range of Marks obtained out of 100 or equivalent fraction	Grade point
0	Outstanding	90-100	10
A+	Excellent	80-89	9
A	Very Good	70-79	8
B+	Good	60-69	7
В	Above average	55-59	6
C	Average	50-54	5
Р	Pass	40-49	4
F	Fail	Below 40	0
Ab	Absent	Ab	0

## Grades and Grade Points

2. A student obtaining Grade F shall be considered failed and will be required to reappear in the examination.

				Teaching & Learning Scheme						Duration of Exams Hrs.	Examination & Evaluation Scheme				
Sr.	Subjects	Subject	Teaching Period Per week			er week	Credits				Maximum Marks				
No		Code	L	т	Р	Total	Theory/ Tutorial	Practical	Total		Theory + M.C.Q External	Skill Enhancement Module Internal	Pra	actics E	
1	Compulsory English (DSC -1)		4	1.		4	3							1	
2	Communication Skill in English (AEC)			1		1	0.75		3 0.75	3	80	20	- 25		
3	Second Lang. (DSC -2)		3		-	3	2.25		2.25	3	80	-		-	
4	Communication Skill in Second Language (AEC)			1	1.	1	0,75	-	0.75	1	-	- 20	25		
5	(DSC -3) Non Practical Subject		5	•:	-	5	4		4	3	80	20			
6	( DSC -4) Non Practical Subject		5		-	5	4	-	4	3	80	20			
7	(DSC -5) Non Practical Subject		5	-	-	5	4	-	4	3	80	20		-	
8	(DSC) English literature		6		-	6	4.50		4.50	3	80	20		-	
								Practi	ical Subjects						
8	Geography/ Home Economics Yogashastra		5	-	-	5	4	-	4	3	60	20	-		
	Practical		- (		2	2		0.75	0.75	3			10		
9	Music		2	-	-	2	1		1	3	50	20		-	
	Practical			-	8	8		3	3	3		-	20	-	
10	Psychology		4	-	-	4	3	-	3	2	60	20	20		
	Practical		-		6	6	-	2.25	2,25	3		20	10		
11	Statistics		5	-	-	5	4			1	60	-			
	Practical			-	8	8	-	3	6			20	-		
12	Other Practical Subject		4		-	4	3		3	3	60		10		
	Practical		-		2	2		0.75	0.75	-	00	20	-		
	Generic Open Elective Course	Non-T-1	2			2	2	-		3	50		10		
	Induction Programme		30	Hours	of one v	veek		1		2 Non Exam Cree		1			
: Le	cture, T: Tutorial, P: Practical Internship /Field Work / Work onal) can be studied during semes						~	26			10/10/00/	11		8.00	

## Sant Gadge Baba Amravati University Amravati Appendix A1 Scheme of teaching, learning & Examination leading to the Degree Bachelor of Arts (B. A.) (Three Years- Six Semesters Degree Programme

IQAC Arts & Commerce College, Jarud Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

		1						(B. A. Part-	-I) Semeste	r-II						
				Teaching & Learning Scheme Duration of Exams Hrs.								Examination & Evaluation Scheme				
Sr.	Subjects	Subject	Teaching Period Per week				Credits					Maxi	mum Marks			
No		Code		т	P	Trul	Theory/ Tutorial	Practical	Total		Theory + M.C.Q	Skill Enhancement Module	Practical			
			L	1	r	Total					External	Internal	Internal	F		
1	Compulsory English (DSC -1)		4	-		4	3		3	3 Hours	80	20	in and the second	-		
2	Communication Skill in English (AEC)			1		1	0.75		0.75	1	-		25	1		
3	Second Lang. (DSC -2)		3	-	-	3	2.25		2.25	3 Hours	80	20	1	t		
4	Communication Skill in Second Language (AEC)		-	1	-	1	0.75	-	0.75	1	-	-	25			
5	( DSC -3) Non Practical Subject		5		-	5	4	-	4	3 Hours	80	20	-			
6	(DSC -4) Non Practical Subject		5			5	4		4	3 Hours	80	20		-		
7	( DSC -5) Non Practical Subject		5	•		5	4		4	3 Hours	80	20				
8	(DSC) English literature		6	-		6	4.50		4.50	3 Hours	80	20		-		
								Practi	ical Subjects				-	-		
8	Geography/ Home Economics Yogashastra		5	-	-	5	4	-	4	3 Hours	60	20		ľ		
	Practical			-	2	2		0.75	0.75	3 Hours	-		10			
9	Music		2	-		2	1		1	3 Hours	50	20		1		
	Practical		-	1.2	8	8	-	3	3	3 Hours		-	20	-		
10	Psychology		4			4	3		3	2 Hours	60	20				
	Practical				6	6		2.25	2.25	3 Hours			10	-		
11	Statistics		5		-	5	4		4	3 Hours	60	20				
	Practical		-		8	8		3	6	3 Hours	-		10	F		
12	Other Practical Subject		4			4	3		3	3 Hours	60	20	-	-		
	Practical				2	2		0.75	0.75	3 Hours		20	10	-		
	Generic Open Elective Course		2	-	N. O	2	2		2	2 Hours	50 /		10			

Sant Gadge Baba Amravati University Amravati Appendix A2 <u>Scheme of teaching, learning & Examination leading to the Degree Bachelor of Arts (B. A.) (Three Years - Six Semesters Degr</u> (B. A. Part-I) Semester-II

> DR. A. B. RUKADE Co-ordinator, IQAC Arts & Commerce College, Jarud

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

#### Appendix-B

## 1. Examination and question pattern of B.A. Degree Programme:- (Semester I to VI)

- Examinations shall be conducted in Offline mode in accordance with Ordinance No. 9. However, under special circumstances and in specific cases, those can be conducted in Online mode on the recommendations of Board of Examination & Evaluation and approval by the Academic Council.
- 2) An examinations shall be held at the end of each semester.
- 3) Question paper of examination shall be in English, Marathi and Hindi as applicable.
- 4) The question bank for theory/subject/paper (MCQ, Long answer, short answer, problems or numerical, computations, design as applicable) except case study should be prepared along with memorandum and solutions of problem.
- 5) Syllabi of respective papers have been divided in to five units for each paper/subject.
- 6) Weightage shall be equal for each unit of the respective paper/subject.
- 7) All questions in the question paper shall be compulsory.

#### Notes :

1) Distribution of Marks of Theory

#### For Non-Practical Subjects :

- a) 60 Marks for Descriptive Type Questions.
- b) 20 Marks for Multiple Choice Questions.
- c) 20 Marks for Skill Enhancement Module.
- For Practical Subjects: (Geography, Psychology, Home Economics & Functional English) a) 40 Marks for Descriptive Type Questions.
- b) 20 Marks for Multiple Choice Questions
- c) 20 Marks for Practical
- d) 20 Marks for Skill Enhancement Module.

#### For Practical Subjects : (Music)

- a) 30 Marks for Descriptive Type Questions.
- b) 20 Marks for Multiple Choice Questions
- c) 30 Marks for Practical
- d) 20 Marks for Skill Enhancement Module.
- The students once offered the subjects under Discipline Specific Core (DSC) in first Semester, it shall be continued from Semester-II to V & once the subject offered under DSC shall be continued under DSE in VI Semester.
- There shall be Five Units (Four units for theory & 1 unit for SEM) / Questions of 12 Marks for Theory Subjects & 5 units / Questions of 8 Marks for Practical Subjects

4) M.C.Q. 4 x 5, Skill Module 4 x 5, Practical 4x5

- A) The Executive Council dated ½-4-1977 has prescribed the Teaching Periods in the various subjects as follows.
- i) English (Compulsory) :

Arts & Commerce College, Jarud

Principal

Arts & Commerce Collers Jarud, Ta. Warud, Dist. Am For B.A.I,II and Final Examinations: 4 Lecture periods and 1 tutorial for a batch of 20 students per week. A batch will not exceed 20 by more than 10% of 20.

- ii English Literature : B.A.Part I, II and Final : 6 periods per week.
- iii) Supplementary English :
- B.A.Part I : 3 Periods per week ; B.A.Parts II & Final : 4 Periods Per Week iv) **Compulsory Languages** : (Marathi, Hindi, Sanskrit, Urdu and Pali & Prakrit)
- B.A.Part-I : 4 Periods per Week; B.A.Part-II: 4 Periods per Week; B.A.Final : 4 Periods per Week v) **Optional Languages :** (Marathi Litt., Hindi Litt., and Sanskrit Litt. etc.)
- B.A.Part-I, II and Final : 5 Periods per Week vi) Subjects in the Faculty of Social Sciences where no Practicals are prescribed : B.A.Part-I, II and Final : 5
- vi) Subjects in the Faculty of Social Sciences where no Fracticals are presented . B.A.Paret, if and Pinder of Periods per Week

## B) SUBJECTS WHERE PRACTICALS ARE PRESCRIBED FOR B.A. PART-I, II AND FINAL.

- i) Music: 6 Practical and 2 theory periods. The number of students should not exceed 7 per batch for practical.
- ii) **\*\*Geography : 5** lectures and 1 practical of 2 periods per week . The number of students should not exceed 16 per batch for Practical.
- \*Psychology: 4 theory periods and 3 Practical per week per batch of 16 students and 1 periods for Statistics per week.
- iv) \*\*Home Economics : 5 Lectures and 1 Practical of 2 Periods per Week for a batch of 16 students.
- v) Statistics : For B.A. Part-I : 5 theory lectures and 4 Practical Periods (2 Periods each per week)
- vi) Statistics : For B.A. Part-II and Final : 5 Theory Lectures and 6 Practical Periods per week.
- vii) Mathematics : B.A. Part-I II and Final : 9 Theory Periods and 1 Tutorial for a batch of 20 students per Week.

\*As modified by the Executive Council dated 27/28-4-1979

- \* As modified by the Executive Council dated 22-9-1977
- \* As per letter Nos. NGC/3299/तावि/अवि/४१४६५/मवि-२& NGC/3299 तावि/अवि/४६९०९/अवि मवि-२dated 5.7.1999 & 24.1.2000 respectively received from Director of Education (Higher Education) Pune and

approved / noted by the Academic Council meeting dated 5.6.99 & 11.4.2000 vide Item No. 33 & 33 respectively.

Note:\*\* As accepted by the Academic Council Dt. 6.5.2015 Vide Noti.No.24 & 25 /2016 in Gaz. .Part-Two

C) i) Academic Council in its meeting held on 6.5.2015 Vide Item No. 39 has approved to increase in the existing work load i.e. from "4 lectures and 1 Practical of 2 Periods per week to 5 lectures and 1 Practical of 2 Periods per week" for the subject Home Economics at graduate level.

ii) Academic Council in its meeting held on 6.5.2015 Vide item No. 40 & 41 has approved to reduce the existing intake capacity for practical batch from 20 to 16 students for Home Economics & Geography subject.

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Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati



#### Appendix-A

## SYLLABUS PRESCRIBED FOR B. A. - Part I EXAMINATION Semester I Compulsory English

**TIME: 3 HOURS** 

#### MAX MARKS THEORY : 80 MARKS MAX MARKS INTERNAL ASSESSTMENT : 20 MARKS

Prescribed Textbook : Blooming Buds by Board of Editors & published by Orient Blackswan.

UNIT I

#### **PROSE** -

- 1. Education Provides a Solid Foundation A.P.J Abdul Kalam
- 2. Love Story Maneka Gandhi
- 3. Speech on Indian Independence Jawaharlal Nehru
- 4. Film Making Satyajit Ray

#### **POETRY** -

5. In the Bazaar of Hyderabad - Sarojini Naidu6. She Walks in Beauty - Lord Byron7. Middle Age - Kamala Das

#### GRAMMAR -

8. Parts of Speech
 9. Tenses

#### UNIT IV

UNIT V

UNIT III

#### **COMMUNICATION SKILLS -**

10. Unseen Passage11. Letter Writing (Personal & Business Letters)12. Curriculum Vitae (CV)

#### **MULTIPLE CHOICE QUESTIONS -**

Based on the prescribed text Unit I & II only.

## INTERNAL ASSESSMENT

i) Viva- Voce
a) Personal Interview
b) Seminar
ii) Assignments
a) Making Introduction
b) Greeting People
c) Talking about Family
d) Describing People, Places & Animals
e) Expressing Feelings
f) Inviting, Suggesting, Accepting & Refusing

#### **Recommended Books:**

1. Spoken English : A Foundation Course Part 1 (With Audio CD) by Kamlesh Sadanand & Susheela Punitha (Revised Edition) Published by Orient Blackswan.

2. Spoken English : A Foundation Course Part 2 (With Audio CD) by Kamlesh Sadanand & Susheela Punitha (Revised Edition) Published by Orient Blackswan.

## UNIT II

C) Grammar : Prescribed Text Blooming Buds by Board of Editors & published by O	rient Blackswan
i) Parts of Speech	= 10 Marks
ii) Tenses	= 6 Marks
D) Communication Skills :	
i) Unseen passage	= 6 Marks
ii) Letter Writing : The students will have to answer ONE out of TWO Letters	= 5 Marks
iii) Curriculum Vitae (CV) : The students will have to answer ONE out of TWO CV	= 5 Marks

#### E) Multiple Choice Questions (MCQ)

Based on Unit I & II : The students will have to answer SIXTEEN out of SIXTEEN MCQ's = 16 Marks F) Internal Assessment

i) Viva- Voce	= 10 Marks
a) Personal Interview	= 5 Marks
b) Seminar	= 5 Marks
ii) Assignments	= 10 Marks
a) Making Introduction	
b)Greeting People	
c)Talking about Family	
d) Describing People, Places & Animals	
e) Expressing Feelings	

f) Inviting, Suggesting, Accepting & Refusing

Note:

- 1. The teachers are expected to impart formal training in Grammar Composition, Making Introduction, Greeting People, Talking about Family, Describing People, Places & Animals, Expressing Feelings, Inviting, Suggesting, Accepting & Refusing, Reading & Oral Skills in the tutorial classes.
- 2. Internal examiner shall interview an examiner to test his or her spoken skills.
- 3. There shall be separate passing for theory & Internal Assessment Examination.

### SYLLABUS PRESCRIBED FOR B. A. – Part I EXAMINATION Semester II Compulsory English

**TIME: 3 HOURS** 

MAX MARKS THEORY : 80 MARKS MAX MARKS INTERNAL ASSESTMENT : 20 MARKS Prescribed Textbook : Blooming Buds by Board of Editors & published by Orient Blackswan.

UNIT I

UNIT II

#### **PROSE** -

1. Appro JRD - Sudha Murthy

2. Packing - Jerome K. Jerome

- 3. How I became a Public Speaker G. B. Shaw
- 4. Values in Life Rudyard Kipling

#### **POETRY**-

5. Money Madness - D.H Lawrence

6 No men are foreign - James Kirkun

#### F) Internal Assessment

#### i) Viva-Voce

- a) Reading Skills (Reading aloud Individual of a passage of about 100 words from the prescribed text)
- b) Group Discussion

#### ii) Assignments

- a) Asking for & Giving Information
- b) Giving Directions
- c) Making Request
- d) Making Offers
- e) Getting & Giving Permissions
- f) Talking about Past Events

#### **Recommended Books:**

1. Spoken English : A Foundation Course Part 1 (With Audio CD) by Kamlesh Sadanand & Susheela Punitha (Revised Edition) Published by Orient Blackswan.

2. Spoken English : A Foundation Course Part 2 (With Audio CD) by Kamlesh Sadanand & Susheela Punitha (Revised Edition) Published by Orient Blackswan.

#### **Compulsory English**

#### TIME: 3 HOURS MAX MARKS THEORY: 80 MARKS MAX MARKS INTERNAL ASSESSMENT: 20 MARKS Distribution of Marks

#### MIN PASSING MARKS : 32 MARKS MIN PASSING MARKS : 08 MARKS

A) Prose i) The students will have to answer THREE out of FOUR short answer question each.	ons of 2 marks = 6 Marks
<li>ii) The students will have to answer TWO out of FOUR long answer questions each.</li>	
B) Poetry i) The students will have to answer TWO out of THREE short answer question each.	ons of 3 marks = 6 Marks
<ul> <li>ii) The students will have to answer TWO out of THREE long answer question each.</li> </ul>	
<b>C)</b> Grammar : Prescribed Text Blooming Buds by Board of Editors & published by Orie i) Subject, Verb, Agreement	nt Blackswan = 10 Marks
<ul><li>ii) Verbs : Forms of to be, do, have and model auxiliaries</li><li>D) Communication Skills :</li></ul>	= 6 Marks
i) Story Building	= 6 Marks
<ul> <li>ii) . E-Communication : E-Mail, Fax : The students will have to answer ONE out of TWO</li> <li>iii) Notices / Agenda / Minutes : The students will have to answer ONE out of TWO</li> </ul>	= 5 Marks = 5 Marks
E) Multiple Choice Questions (MCQ)	
Based on Unit I & II : The students will have to answer SIXTEEN out of SIXTEEN MCQ's	= 16 Marks
F) Internal Assessment	
i) Viva- Voce	= 10 Marks
a) Reading Skills (Reading aloud – Individual of a passage of about 100 words from the text)	
b) Group Discussion	= 5 Marks = 5 Marks
ii) Assignments a) Asking for & Giving Information	= 10 Marks

Appendix-A

## **SYLLABUS** PRESCRIBED FOR **B.A - PART II EXAMINATION** SEMESTER III **COMPULSORY ENGLISH**

#### **TIME: 3 HOURS**

## MAX MARKS THEORY : 80 MARKS **MAX MARKS INTERNAL ASSESSTMENT : 20 MARKS**

Prescribed Textbook : Blossoming Flowers by Board of Editors, Published by Orient Blackswan.

#### UNIT I

UNIT II

#### **PROSE** -

1. India's Message to the World – Swami Vivekanand

2. The Pleasure of Ignorance - Robert Lynd

3. The Happy Prince - Oscar Wilde

4. The Three Questions - Leo Tolstoy

#### **POETRY** -

5. Sonnet 116 - William Shakespeare

6. Dirge - James Shirley

7. Leisure - W H Davies

8. A Baby Asleep After Pain - D.H Lawrence

#### UNIT III

#### **GRAMMAR:**

9. Clauses :

- ✓ Main Clause
- ✓ Subordinate Clause (Noun Clause , Adverb Clause , Adjective Clause)

#### 10. Types of Sentences :

- ✓ Assertive / Affirmative Sentences
- ✓ Exclamatory Sentences
- ✓ Negative Sentences
- ✓ Interrogative Sentences
- ✓ Simple Sentences
- ✓ Compound Sentences
- ✓ Complex Sentences
- ✓ Compound Complex Sentences

#### **COMMUNICATION SKILLS:**

11. Telephone Conversation

- ✓ Answering the Telephone and Asking for Someone
- Taking and Leaving Messages
- ✓ Making Enquiries on the Phone

12. Interpersonal Conversation

✓ Getting People's Attention and Interrupting

#### UNIT IV

#### BA Part II Compulsory English Semester III SGB Amravati University, Amravati

#### TIME: 3 HOURS

#### MAX MARKS THEORY : 80 MARKS MAX MARKS INTERNAL ASSESSMENT: 20 MARKS MIN PASSING MARKS : 32 MARKS MIN PASSING MARKS : 08 MARKS

#### **Distribution of Marks**

#### UNIT I (16 Marks)

A) **Prose** i) The students will have to answer TWO out of THREE short answer questions of 3 marks each = 6 Marks

ii) The students will have to answer TWO out of THREE long answer questions of 5 marks each = 10 Marks

#### UNIT II (16 Marks)

B) **Poetry** i) The students will have to answer TWO out of THREE short answer questions of 3 marks each. = 6 Marks

ii) The students will have to answer TWO out of THREE long answer questions of 5 marks each. = 10 Marks

#### UNIT III (16 Marks)

C) **Grammar** : Prescribed Text Blossoming Flowers by Board of Editors & published by Orient Blackswan i) Clauses = 06 Marks

ii) Types of Sentences =10 Marks

#### UNIT IV (16 Marks)

#### D) Communication Skills :

i) Telephonic Conversation = 8 Marks

ii) Interpersonal Conversation = 08 Marks

#### UNIT V (16 Marks)

#### E) Multiple Choice Questions (MCQ)

Based on Unit I & II : The students will have to answer SIXTEEN out of SIXTEEN MCQ's = 16 Marks

#### F) Internal Assessment

i) Viva- Voce = 20 Marks

- a) Personal Interview = 10Marks
- b) Seminar Presentation = 10 Marks

Note:

1. The teachers are expected to impart formal training in Grammar Composition, Making Introduction, Greeting People, Talking about Family, Describing People, Places & Animals, Expressing Feelings, Inviting, Suggesting, Accepting & Refusing, Reading & Oral Skills in the tutorial classes.

2. Internal examiner shall interview an examinee to test his or her spoken skills.

3. There shall be separate passing for theory & Internal Assessment.

SYLLABUS PRESCRIBED FOR B.A - PART II EXAMINATION SEMESTER IV COMPULSORY ENGLISH

TIME: 3 HOURS

MAX MARKS THEORY : 80 MARKS MAX MARKS INTERNAL ASSESSTMENT : 20 MARKS

Prescribed Textbook : Blossoming Flowers by Board of Editors, Published by Orient Blackswan.

#### UNIT III

#### **GRAMMAR**:

9. Transformation of Sentences :

- Interchange of Affirmative & Negative Sentences
- ✓ Interchange of Assertive & Interrogative Sentences
- ✓ Interchange of Assertive & Exclamatory Sentences
- ✓ Conversion of Simple to Compound Sentences
- Conversion of Simple to Complex Sentences
- ✓ Conversion of Complex to Simple Sentences
- ✓ Conversion of Compound to Complex Sentences
- ✓ Conversion of Complex to Compound Sentences

#### 10. Synthesis of Sentences :

Combination of two or more simple sentences into a single simple sentence / Compound Sentence / Complex Sentence.

#### **COMMUNICATION SKILLS:**

11. Interpersonal Conversation

- ✓ Congratulating and Responding to Congratulations
- ✓ Paying Compliments, Showing Appreciation, Offering Encouragement and Responding
- ✓ Asking for , Giving and Refusing Permission

#### 12. Casual Conversation

- ✓ Talking about the Weather
- ✓ Describing Daily Routines
- ✓ Talking about Current Activities

#### UNIT V

#### MULTIPLE CHOICE QUESTIONS

Based on prescribed text Unit I & II only **Internal Assessment :** 

#### Viva-Voce

A) Personal Interview

B) Seminar - Presentation (Based on prescribed text : Prose & Poetry

**BA Part II Compulsory English** Semester IV SGB Amravati University, Amravati

TIME: 3 HOURS

MAX MARKS THEORY : 80 MARKS MAX MARKS INTERNAL ASSESSMENT: 20 MARKS

**MIN PASSING MARKS : 32 MARKS** MIN PASSING MARKS : 08 MARKS

**Distribution of Marks** 

#### UNITI (16 Marks)

A) Prose i) The students will have to answer TWO out of THREE short answer questions of 3 marks

## UNIT IV

#### UNIT IV (16 Marks)

#### D) Communication Skills :

i) Interpersonal Conversation = 8 Marks

ii) Casual Conversation = 08 Marks

#### UNITV (16 Marks)

#### E) Multiple Choice Questions (MCQ)

Based on Unit I & II : The students will have to answer SIXTEEN out of SIXTEEN MCQ's = 16 Marks F) Internal Assessment

#### i) Viva- Voce = 20 Marks

a) Personal Interview = 10Marks

b) Seminar - Presentation = 10 Marks

#### Note:

1. The teachers are expected to impart formal training in Grammar Composition, Making Introduction, Greeting People, Talking about Family, Describing People, Places & Animals, Expressing Feelings, Inviting, Suggesting, Accepting & Refusing, Reading & Oral Skills in the tutorial classes.

2. Internal examiner shall interview an examinee to test his or her spoken skills.

3. There shall be separate passing for theory & Internal Assessment.

#### \*\*\*\*\*

#### SYLLABUS PRESCRIBED FOR B.A PART II EXAMINATION SEMESTER III ENGLISH LITERATURE UNIT I

**Text Prescribed : A Background to the study of English Literature by B.Prasad.** Chapters Prescribed : Chapter II - The Novel Chapter III - The Short Story Chapter IV - Biography and Autobiography

#### UNIT II

## Prescribed Textbook : Unheard Melodies by Board of Editors, Published by Orient Blackswan POETRY :

The following poems are prescribed

- 1. Palanquin Bearers Sarojini Naidu
- 2. Between These Lines S Joseph
- 3. The Epileptic Keki N Daruwalla
- 4. A Walk by Moonlight Henry Derozio
- 5. Endless Time Rabindranath Tagore

#### UNIT III

#### Prescribed Textbook : Unheard Melodies by Board of Editors, Published by Orient Blackswan

#### A)Introduction to Literary Terms - I

- Following Literary Terms are prescribed
- 1. Point of View
- 2. Anticlimax
- 3. Climax
- 4. Binary Opposition
- 5. Euphemism
- 6. Subaltern
- 7. Oxymoron
- 8. Picaresque Narrative

#### -7-**SYLLABUS** PRESCRIBED FOR **B.A - PART III EXAMINATION** SEMESTER V **COMPULSORY ENGLISH**

**TIME: 3 HOURS** 

#### **MAXIMUM MARKS THEORY: 80 MARKS** MAXIMUM MARKS INTERNAL ASSESSTMENT: 20 MARKS

MIN PASSING MARKS : 32 MARKS

MIN PASSING MARKS : 08 MARKS

Prescribed Textbook: Sands of Time by Board of Editors, Published by Orient Blackswan.

#### UNIT I

#### SHORT STORIES

1. The Open Window - Saki

2. The Three Hermits - Leo Tolstoy

#### UNIT II

- 1. What is Swaraj? M K Gandhi
- 2. A Letter to his Son Lord Chesterton

#### UNIT III

#### **POETRY** -

ESSAYS

- 1. Bangle Sellers -Sarojini Naidu
- 2. The Mountain and the Squirrel Ralph Waldo Emerson

WRITING SKILLS

- 1. Précis Writing
- 2. Developing a Thought

#### UNIT V

UNIT IV

MULTIPLE CHOICE QUESTIONS Based on prescribed text Unit I, II & III

Internal Assessments

Viva-Voce

A) Personal Interview

B) Seminar - Presentation (Based on prescribed Text : Short Stories, Essays & Poetry)

**BA Part III Compulsory English** Semester V SGB Amravati University, Amravati

#### TIME: 3 HOURS

#### MAX MARKS THEORY : 80 MARKS MAX MARKS INTERNAL ASSESSMENT: 20 MARKS

#### **Distribution of Marks**

#### UNIT I (16 Marks)

#### **A) SHORT STORIES**

i) The students shall have to answer TWO out of THREE questions in Two or Three sentences of 3 marks each. = 6 Marks

ii) The students shall have to answer TWO out of THREE questions in about 100 words of 5 marks each = 10 Marks

#### UNIT II (16 Marks)

#### B) ESSAYS

i) The students shall have to answer TWO out of THREE questions in Two or Three sentences of 3 marks each. = 6 Marks

ii) The students shall have to answer TWO out of THREE questions in about 100 words of 5 marks each = 10 Marks

#### UNIT III (16 Marks)

C) POETRY: Prescribed Text Sands of Time by Board of Editors & published by Orient Blackswan i) The students shall have to answer TWO out of THREE questions in Two or Three sentences of 3 marks each. = 6 Marks

ii) The students shall have to answer TWO out of THREE questions in about 100 words of 5 marks each = 10 Marks

#### UNIT IV (16 Marks)

#### WRITING SKILLS

- Précis Writing : i) The students shall have to write a précis of the given paragraph with suitable title for 08 marks
- 2. Developing a Thought: i) The students shall have to develop a thought, choosing one of the two in about 250 words for 08 marks

#### UNIT V (16 Marks)

E) Multiple Choice Questions (MCQ)

Based on Unit I, II & III: The students shall have to attempt multiple choice questions= 16 Marks

#### F) Internal Assessment

i) Viva- Voce = 20 Marks

- a) Personal Interview = 10Marks
- b) Seminar Presentation = 10 Marks

#### SYLLABUS PRESCRIBED FOR BA – PART III EXAMINATION SEMESTER VI COMPULSORY ENGLISH

#### TIME: 3 HOURS

MAXIMUM MARKS THEORY : 80 MARKS MAXIMU MARKS INTERNAL ASSESSTMENT: 20 MARKS

Prescribed Textbook: Sands of Time by Board of Editors, Published by Orient Blackswan.

#### UNIT I

#### SHORT STORIES:

- 1. Quality John Galsworthy
- 2. Miss Brill Catherine Mansfield

#### UNIT II

- ESSAYS:
  - 1. My Financial Career -Stephen Leacock
  - 2. Socrates and the Schoolmaster FL Brayne

#### POETRY:

- 1. The Solitary Reaper- William Wordsworth
- 2. Stay Calm -Grenville Kleiser

#### WRITING SKILLS:

1. Report Writing : i) The students shall have to write a Report on the given topic in about 250 words for 08 marks

UNIT IV

2. Essay : i) The students shall have to write an essay, choosing from the four given topics in about 250 words for 08 marks

UNIT V

#### MULTIPLE CHOICE QUESTIONS

Based on Prescribed Text: Unit1, II & III Internal Assessment:

#### Viva-Voce

A) Personal Interview

B) Seminar - Presentation (Based on Prescribed Text : Short Stories, Essay & Poetry)

## UNIT III

- 9 -BA Part III Compulsory English Semester VI SGB Amravati University, Amravati

TIME : 3 HOURS

#### MAX MARKS THEORY : 80 MARKS MAX MARKS INTERNAL ASSESSMENT: 20 MARKS

#### MIN PASSING MARKS : 32 MARKS MIN PASSING MARKS : 08 MARKS

#### **Distribution of Marks**

#### UNIT I (16 Marks)

#### **A) SHORT STORIES**

i) The students shall have to answer TWO out of THREE questions in Two or Three sentences of 3 marks each. = 6 Marks

ii) The students shall have to answer TWO out of THREE questions in about 100 words of 5 marks each = 10 Marks

#### UNIT II (16 Marks)

#### **B) ESSAYS**

i) The students shall have to answer TWO out of THREE questions in Two or Three sentences of 3 marks each. = 6 Marks

ii) The students shall have to answer TWO out of THREE questions in about 100 words of 5 marks each = 10 Marks

#### UNIT III (16 Marks)

C) **POETRY**: Prescribed Text Sands of Time by Board of Editors & published by Orient Blackswan i) The students shall have to answer TWO out of THREE questions in Two or Three sentences of 3 marks each. = 6 Marks

ii) The students shall have to answer TWO out of THREE questions in about 100 words of 5 marks each = 10 Marks

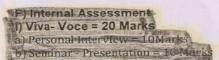
#### UNIT IV (16 Marks)

#### WRITING SKILLS

- Report Writing : i) The students shall have to write a Report on the given topic in about 250 words for 08 marks
- 2. Essay : i) The students shall have to write an essay , choosing from the four given topics in about 250 words for 08 marks

#### UNIT V (16 Marks)

E) Multiple Choice Questions (MCQ) Based on Unit I, II & III: The students shall have to attempt multiple choice questions= 16 Marks



-90-

संत गाडगे बाबा अमरावती विद्यापीठ, अमरावती

	बी.	ए.	भाग	- 3	मराठी	(आवश्यक)
1				सत्र	1 ५ वे	

।। गुण विभागणी ।।

एकूण गुंण - १००	
लेखी गुण – ८०	
अंतर्गत मूल्यमापन - २०	
वेळ - ३ तास	

अभ्यासक्रमासाठी नेमलेले पाठ्यपुस्तक

'मूदगंध' भाग ३ (विभाग 'अ', 'ब', आणि 'क' साठी)

विभाग - अ	वैचारिक	-	१६ गुण
विभाग - ब	ललित	-	१६ गुण
विभाग - क	कविता		१६ गुण
विभाग – ड	उपयोजित मराठी	-	१६ गुण
	वैचारिक, ललित व कविता या		१६ गुण
	विभागांवर वस्तुनिष्ठ बहुपर्यायी प्र	श्रन	

विभाग 'अ' व 'ब' यावर प्रत्येकी सोळा गुणांचा एक दीर्घोत्तरी प्रश्न	-	३२ गुण
विभाग 'क' यावर प्रत्येकी आठ गुणांचे दोन लघुत्तरी प्रश्न	-	१६ गुण
विभाग 'ड' मधील उपयोजित मराठीवर प्रत्येकी आठ गुणांचे दोन लघुत्तरी प्रश्न		१६ गुण
वस्तुनिष्ठ प्रश्न - उपरोक्त अभ्यासक्रमातील विभाग 'अ', 'ब' आणि 'क' यावर आधारित वस्तुनिष्ठ स्वरुपाचे एकूण १६ बहुपर्यायी प्रश्न विचारले जातील. प्रत्येक प्रश्नास एक गुण याप्रमाणे हा प्रश्न १६ गुणांचा असेल.	-	१६ गुण

विभाग 'ड' साठी संदर्भग्रंथ म्हणून 'उपयोजित मराठी' संपादक - केतकी मोडक व इतर, पद्मगंधा प्रकाशन, पुणे हा ग्रंथ असेल. या ग्रंथातील प्रकरण 9२ वे 'अहवाल लेखन' व प्रकरण 9७ वे 'प्रसारमाध्यमांसाठी लेखन-वृत्तलेखन' या प्रकरणांवर प्रत्येकी ०८ गुणांचा एक लघुत्तरी प्रश्न विचारण्यात येईल.



लेखी परीक्षा व अंतर्गत मूल्यमापन या दोन्ही परीक्षांमध्ये स्वतंत्रपणे उत्तीर्ण होणे आवश्यक राहील. त्यासाठी किमान गुण खालीलप्रमाणे आवश्यक असतील.

- लेखी परीक्षा ८० पैकी ३२ गुण आवश्यक
- अंतर्गत मूल्यमापन २० पैकी ०८ गुण आवश्यक

सूचना : 9) गृहपाठ हा पाठ्यपुस्तकांव्यतिरिक्त अन्य कोणत्याही भाषिक व वाड्.मयीन कौशल्य विकसित करणाऱ्या विषयावर असावा.

२) मौखिक परीक्षा ही गृहपाठावर आधारित असेल.

Appendix-B

बी. ए. भाग – १ मराठी (आवश्यक) सत्र १ ले

## ।। गुण विभागणी ।।

एकूण गुण – १००
लेखी गुण – ८०
अंतर्गत मूल्यमापन - २०
वेळ - ३ तास

अभ्यासक्रमासाठी नेमलेले पाठचपुस्तक

-- 'मृदगंध' भाग १ (विभाग 'अ', 'ब', आणि 'क' साठी)

विभाग - अ	वैचारिक		१६ गुण
विभाग - ब	ललित		१६ गुण
विभाग - क	कविता		१६ गुण
विभाग – ड	उपयोजित मराठी		१६ गुण
	वैचारिक, ललित व कविता या		१६ गुण
	विभागांवर वस्तुनिष्ठ बहुपर्यायी प्र	श्न	

विभाग 'अ' व 'ब' यावर प्रत्येकी सोळा गुणांचा एक दीर्घोत्तरी प्रश्न		३२ गुण
विभाग 'क' यावर प्रत्येकी आठ गुणांचे दोन लघुत्तरी प्रश्न		१६ गुण
विभाग 'ड' मधील उपयोजित मराठीवर प्रत्येकी आठ गुणांचे दोन लघुत्तरी प्रश्न		१६ गुण
आधारित वस्तुनिष्ठ स्वरुपाचे एकूण १६ बहुपर्यायी प्रश्न	-	१६ गुण
विचारले जातील. प्रत्येक प्रश्नास एक गुण याप्रमाणे हा प्रश्न १६ गुणांचा असेल.		

विभाग 'ड' साठी संदर्भग्रंथ म्हणून 'उपयोजित मराठी' संपादक - केतकी मोडक व इतर, पद्मगंधा प्रकाशन, पुणे हा ग्रंथ असेल. या ग्रंथातील प्रकरण १५ वे 'लेखनविषयक नियम' व प्रकरण १६ वे 'मुद्रितशोधन' या प्रकरणांवर प्रत्येकी ०८ गुणांचा एक लघुत्तरी प्रश्न विचारण्यात येईल.

## अंतर्गत मूल्यमापन : एकूण २० गुणांची अंतर्गत मूल्यमापन परीक्षा राहील.

•	गुण विभागणी	:	
9)	गृहपाठ	Trans .	१० गुण
2)	मौखिक परीक्षा	-	१० गुण

लेखी परीक्षा व अंतर्गत मूल्यमापन या दोन्ही परीक्षांमध्ये स्वतंत्रपणे उत्तीर्ण होणे आवश्यक राहील. त्यासाठी किमान गुण खालीलप्रमाणे आवश्यक असतील.

- लेखी परीक्षा ८० पैकी ३२ गुण आवश्यक
- अंतर्गत मूल्यमापन -- २० पैकी ०८ गुण आवश्यक
- **सूचना :** 9) गृहपाठ हा पाठ्यपुस्तकांव्यतिरिक्त अन्य कोणत्याही भाषिक व वाड्.मयीन कौशल्य विकसित करणाया विषयावर असावा.
  - २) मौखिक परीक्षा ही गृहपाठावर आधारित असेल.

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अभ्यासक्रमासा	ठी नेमलेले पाठचपुस्तक	-	'मृदगंध' भ	नाग १ (विभाग	'अ', 'ब', आणि 'क' साठी
विभाग - अ	वैचारिक		१६ गुण		
विभाग - ब	ललित		१६ गुण		
विभाग - क	कविता		१६ गुण		
विभाग – ड	उपयोजित मराठी		१६ गुण		
	वैचारिक, ललित व कविता या		१६ गुण		
	विभागांवर वस्तुनिष्ठ बहुपर्यायी प्र	श्न			
विभाग 'अ' व	'ब' यावर प्रत्येकी सोळा गुणांचा एक	वीर्घोत्तरी	ो प्रश्न	-	३२ गुण
	वर प्रत्येकी आठ गुणांचे दोन लघुत्तर				१६ गुण
विभाग 'ड' मध	गील उपयोजित मराठीवर प्रत्येकी आ	ठ गुणांचे	दोन लघुत्तरी	प्रश्न	१६ गुण
वस्तुनिष्ठ प्रश्न - उपरोक्त अभ्यासक्रमातील विभाग 'अ', 'ब' आणि 'क' यावर १६ गुण			१६ गुण		
	आधारित वस्तुनिष्ठ स्वरुपाचे एकू	ण १६ बहु	पर्यायी प्रश्न		
	विचारले जातील. प्रत्येक प्रश्नास	एक गुण	याप्रमाणे हा		

प्रश्न १६ गुणांचा असेल.

विभाग 'ड' साठी संदर्भग्रंथ म्हणून 'उपयोजित मराठी' संपादक - केतकी मोडक व इतर, पद्मगंधा प्रकाशन, पुणे हा ग्रंथ असेल. या ग्रंथातील प्रकरण ३ रे 'कार्यालयीन पत्रव्यवहार' व प्रकरण ४ थे 'स्व-परिचयपत्र व नोकरीसाठी अर्जलेखन' या प्रकरणांवर प्रत्येकी ०८ गुणांचा एक लघुत्तरी प्रश्न विचारण्यात येईल.

अंतर्गत मूल्यमापन : एकूण २० गुणांची अंतर्गत मूल्यमापन परीक्षा राहील.

- गुण विभागणी :
- १) गृहपाठ १० गुण
- २) मौखिक परीक्षा -- १० गुण

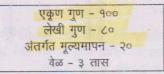
लेखी परीक्षा व अंतर्गत मूल्यमापन या दोन्ही परीक्षांमध्ये स्वतंत्रपणे उत्तीर्ण होणे आवश्यक राहील. त्यासाठी किमान गुण खालीलप्रमाणे आवश्यक असतील.

- लेखी परीक्षा ८० पैकी ३२ गुण आवश्यक
- अंतर्गत मूल्यमापन -- २० पैकी ०८ गुण आवश्यक
- **सूचना :** 9) गृहपाठ हा पाठ्यपुस्तकांव्यतिरिक्त अन्य कोणत्याही भाषिक व वाड्.मयीन कौशल्य विकसित करणाया विषयावर असावा.
  - २) मौखिक परीक्षा ही गृहपाठावर आधारित असेल.

संपादित ग्रंथ - 'मृदगंध' भाग १

	41. 5.	. भाग ९ - मराठी (आवश्यक)	
		सत्र – १	
		विभाग अ) वैचारिक	
9)	जीवन आणि शिक्षण	विनोबा भावे	
२)	ध्येयांची पराकाष्ठा	साने गुरुजी	
3)	चालाल तर वाचाल	अभय बंग	
		विभाग ब) ललित	
9)	आंगण	मधुकर केचे	
२)	अन्वरशा फकीर	डॉ. मधुकर वाकोडे	
3)	इर्जिक	अरुण जाखडे	
		विभाग क) कविता	
9)	संतवाणी	अ) ज्ञानेश्वर	

बी.ए.	भाग- १ मराही (आवश्यक)
Sec. 10	सत्र २ रे
	गण विभागणी



अभ्यासक्रमासाठी नेमलेले पाठ्यपुस्तक

'शब्दगंध' भाग-१ (सत्र-१ व सत्र-२) (संपादित)

प्रकाशकाचे नाव : राघव पब्लिशर्स ॲण्ड डिस्ट्रीब्युटर्स, नागपूर (विभाग 'अ', 'ब' आणि 'क' साठी)

उपयोजित गराठी - संपादक डॉ.केतकी मोडक, संतोष शेणई, सुजाता शेणई - पद्मगंधा प्रकाशन, पुणे या पुस्तकातील प्रकरण ३ रे- कार्यालयीन पत्रव्यवहार - डॉ.कल्याणी दिवेकर प्रकरण ४ थे- स्वपरिचयपत्र व नौकरीसाठी अर्जलेखन -डॉ.भूषण केळकर

विभाग - अ	वैचारिक	-	२०गुण
विभाग - ब	ललित	-	२०गुण
विभाग - क	कविता	-	२०गुण
विभाग - ड	उपयोजित मराठी	-	२०गुण

#### प्रश्ननिहाय गुणविभागणी :-

कौशल्य वि

विभाग 'अ' व 'ब' यावर १४ गुणांचा प्रत्येक एक दीर्घोत्तरी प्रश्न विभाग 'क' यावर प्रत्येकी ०८ गुणांचे दोन लघुत्तरी प्रश्न विभाग 'ड' मधील उपयोजित मराठीवर प्रत्येकी ०८ गुणांचे दोन लघुत्तरी प्रश्न वस्तुनिष्ठ प्रश्न - उपरोक्त अभ्यासक्रमातील विभाग 'अ' व 'ब' यावर प्रत्येकी ०३ प्रश्न आणि विभाग 'क' व 'ड' यावर प्रत्येकी०२ प्रश्न वस्तुनिष्ठ स्वरूपाचे असे एकुण१० बहुपर्यायी प्रश्न विचारले जातील. प्रत्येक प्रश्नास ०२ गुण याप्रमाणे हा प्रश्न २० गुणांचा असेल.

- 26	गुण
- 96	गुण
- 98	गुण
- 20	गुण

विभाग 'ड'साठी संदर्भ ग्रंथ म्हणून उपयोजित मराठी - संपादक डॉ.केतकी मोडक, संतोष शेणई, सुजाता शेणई -पद्यगंधा प्रकाशन, पुणे या या पुस्तकातील प्रकरण ३ रे कार्यालयीन पत्रव्यवहार व प्रकरण ४ थे -स्व-परिचयपत्र व नोकरीसाठी अर्ज लेखन या प्रकरणावर प्रत्येकी ०८ गुणांची दोन लघुत्तरी प्रश्न विचारल्या जातील.

वेकासावर आधारित अंतर्गत मूल्यमापन :-	•	२० गुण	
<ul> <li>गुण विभागणी</li> </ul>			
१) गृहपाठ	-	१५ गुण	
२) मौखिक परीक्षा	-	०५ गुण	
() गरणह भारत्य प्रतिकालीच चेक्ताचा ।	र जारत ती ह	जारतांकन करा	

सूचना :-(१)गृहपाठ आपल्या परिसरातील लेखकाच्या मुलाखतीचे शब्दांकन करा

- (२) आपल्या परिसरातील ५ विविध कार्यालयांशी पत्रव्यवहार करा.
- (३) स्व-परिचयपत्र तयार करून नोकरीसाठी अर्जलेखन करा.

(४) मौखिक परीक्षा ही गृहपाठावर आधारीत असेल.

#### विभाग ब

#### बी.ए. भाग-९, सत्र-२ विषय : मराठी (आवश्यक)

नेमलेले पाठ्यपुस्तक : 'शब्दगंध' भाग-१ (सत्र १ व सत्र २) (संपादित) प्रकाशकाचे नांव : राघव पब्लिशर्स ॲण्ड डिस्ट्रीब्युटर्स, नागपूर

#### अभ्यासपत्रिकेची निष्पती (COs) :

- नेमलेल्या साहित्यातून जीवनदर्शन, समकालीन व्यवहार जाणीवा यांची माहिती होईल.
- २. वैचारिक, ललित, कविता या विविध वाड् मय प्रकाराचे ज्ञान होईल. या वाड् प्रकाराचे वेगळेपण जाणून घेतील तथा यामधील साम्यमेदाचे आकलन होईल.
- ३. वैचारिक गद्यातून भाषेच्या सर्जनशील रूपाचे विद्यार्थ्यांना आकलन डोईल. तसेच चारित्र्यविषय असलेल्या थोर व्यक्तींच्या जीवनकार्यातून विद्यार्थ्यांना प्रेरणा मिळेल आणि संकटावर मात करून जीवनात यशस्वी होता येते हा विचार त्यांच्या मनी रूजेल.
- ललित कलाकृतीच्या वाचनातून आनंद, बोध, ज्ञान इत्यादींची प्राप्ती होऊन विद्यार्थ्यांच्या जीवनविषयक जाणिवा समुद्ध होतील.
- वैचारिकता, तात्विकता, काव्यात्मकता, भावनात्मकता, सामान्य गोष्टीतील असामान्यत्वाचे दर्शन यातून विद्यार्थ्यांचा दृष्टीकोण संपन्न होईल.
- ६. विविध प्रकारच्या साहित्याचे आकलन, वर्णन, आस्वादन, विश्लेषण आणि मूल्यमापन करण्याची क्षमता वाढून विद्यार्थ्यांची अभिरूची विकसित होईल.
- या वाड्.मय प्रकारातून विविध प्रकारचे नीतिमूल्ये, जीवनमूल्ये, यांची शिकवण विद्यार्थ्यांना मिळेल, त्याचा उपयोग उत्तमरितीने जिवन जगण्यासाठी होईल.
- ८. 'उपयोजित' घटकाच्या माध्यमातून विविध प्रकारची कौशल्ये त्यांच्यात निर्माण होतील व ते रोजगारक्षम होतील.
- ९. विचारवंत, लेखक, कवी होण्यासाठी हे अध्ययन प्रेरक ठरेल, सहाय्यभूत ठरेल. यातून विद्यार्थी भाषेचा सर्जनशील वापर कसा करावा हेसमजून घेतील व विविध प्रकारातील साहित्य निर्मिती करतील. तसेच व्यवहारिक उपयोजन करून रोजनारक्षम होतील.

अ.क्र.	घटक	अध्यापन	श्रेयांक Credit		
Sr.No	Торіс	Topic तासिका (Teaching Hours)			
विभाग - अ	वैचारिक				
9)	हा विद्येचा समय आहे ! - शाहू महाराज	92			
2)	राष्ट्रसंत व राष्ट्रपिता - राम शेवाळकर				
3)	शिक्षणाबिगर माणूस धौंडाच - संतोष भीमराव अरसोड				
विभाग - ब	ललित				
9)	जागल - भाऊ मांडवकर				
2)	हिरवा तपस्वी - शं.ना.नवरे	92	92		
3)	कस्तुरी - विजय जाधव				
विभाग - क	कविता				
9)	संतवाणी		03		
	अ) यादला (भारूड) - संत एकनाथ		02		
	ब) सदासर्वकाळ अंतरीकुटिल - संत तुकाराम	99			
२)	रांगूई - मीराताई ठाकरे				
3)	बाप वावरं पेरते - श्याम ठक				
8)	या शहरी संवेदनेशी जुळवून घेताना - अशोक इंगळे				
4)	मैफल - किशोर बळी				
६)	भगतसिंह - वैभव भिवरकर				
विभाग - ड	उपयोजित मराठी	. 90			
and the second second	कार्यलयीन पत्रव्यवहार				
	स्व-परिचयपत्र व नोकरीलाठी अर्जलेखन				
		84	60		

संत गाडगे बाबा अमरावती विद्यापीठ, अमरावती

मराठी कौशल्ये विकास अभ्यासक्रम Skill Enhancement Course-II शैक्षणिक वर्ष - २०२२-२३ पासून बी.ए.साग-१, सत्र - २ 'मराठी भाषिक कौशल्ये : लेखन कौशल्ये'

एकूण तासिका १५, श्रेयांक - १

अभ्यासपत्रिकेची निष्पती (COs)

- लेखन कौशल्य विकासाला सहाय्य होईल.
- २. मराठी भाषा क्षमतेच्या वाढीस मदत होईल.

3. लेखन क्षेत्रातील दारे खुली होतील.

४. विविध व्यवसाय क्षेत्रात संधी उपलब्ध होईल.

#### अभ्यास घटक

'व्यक्तित्त्व विकासासाठी : संभाषण व लेखनकौशल्ये' - (संपादक : डॉ.पृथ्वीराज तौर, डॉ.शैलेंन्द्र लेंडे, डॉ.वंदना महाजन), अथर्व पब्लिकेशन्स हे संपादित पुस्तक या अभ्यासक्रमासाठी नेमलेले आहे.

#### लेखन कौशल्ये - एकूण तासिका - 94

- 9. लेखन कौशल्ये -- प्रतिक्षा गौतम तालंगकर कथले
- २. संवाद लेखन कौशल्ये राजकुमार लक्ष्मणराव तांगडे
- ३. जाहिरात लेखन कौशल्ये- रवि पवार
- 8. गीत लेखन कौशल्ये विनायक पवार

( विद्यार्थ्यांनी लेखन कौशल्ये आत्मसात करुन त्याचे विविध उपक्रमांच्या माध्यमातुन उपयोजन करणे, महाविद्यालयातील विविध कार्यक्रम प्रसंगी नाटक, श्रुतिकेसाठी, संवाद लेखन करणे, निरनिराळ्या माध्यमांसाठी महाविद्यालय तथा संरथेच्या अभिनव, कल्पक जाहिराती तयार करणे, तथा महाविद्यालयात विशिष्ट कार्यक्रमासाठी गीत निर्मिती करणे अपेक्षित आहे. या दृष्टीने नियोजन अपेक्षित आहे.)

9

गुण विभागणी – एकूण गुण २५ घटक चाचणी / कौशल्य मूल्यांकन - १० गुण गृहपाठ / कौशल्य विकास प्रकल्प कार्य - १० गुण चर्चासत्र / कौशल्यकार्यांचे सावसीकरण - ०५ गुण

(अभ्यासपत्रिकेतील सर्व घटकांवर प्रश्न विचारण्यात येतील)

#### संत गाडगे बाबा अमरावती विद्यापीठ, अमरावती

पसंतीवर आधारित श्रेयांक पद्धती (CBCS) अभ्यासक्रम २०२२-२०२३ विभाग अ (Part-A) विद्याशाखा : मानव विज्ञान (Faculty - Humanities) अभ्यासक्रम : वाड्.मय रनातक / बी.ए., (Programme - B.A.) विषय : मराठी वाड्.मय (ऐच्छिक) बी.ए.भाग-9, सत्र-9

#### प्रस्तावना :- (Preamble)

मराठी साहित्याच्या विविध वाड्मय प्रवाहाचा अभ्यासालून विद्यार्थ्यांच्या ज्ञानाच्या कक्षा रुंदावतील. विविध साहित्य प्रवाहातील अभ्यासातून साहित्य निर्मितीच्या घटकांचे तंत्र विद्यार्थ्यांच्या अंगी विकसित होतील. साहित्यातून मानवी मूल्यांचे आकलन विद्यार्थ्यांना होईल. वाचन. लेखन. श्रवण कौशल्य विकसित होतील तसेच उपयोजित संकल्पना अभिवृद्ध होतील. साहित्य विश्वातून नवनिर्मितीचा व सर्जनशीलतेचा नवा अविष्कार अभिवृद्ध होण्यासाठी विद्यार्थ्यांना मदत होईल. प्रबोधनाची विचारधारा विकसित होईल. संशोधनाची नवप्रेरणा निर्माण होईल. एकूणच सर्व विद्यार्थ्यांच्या सर्वांगीण विकासाकरिता साहित्यातील प्रेरणा मार्गदर्शक ठरतील.

#### मराठी वाड्.मय (ऐच्छिक) अभ्यासक्रमाची विशिष्ट निष्पत्ती (PSOs) :

9) संत गाडगेबाबा अमरावती विद्यापीठाच्या मानव विज्ञान विद्याशाखेतील मराठी वाड्.मय (ऐच्छिक) अभ्यासक्रमाच्या अध्ययनामुळे विद्यार्थ्यांची साहित्य ही संकल्पना स्पष्ट होऊन मराठी भाषाविषयक अभिरुची विकसित होईल.

२) मराठी साहित्य परंपरा, लेखक, कवी, विचारवंत यांचा परिचय होईल, त्यांचा लेखनातून आलेल्या सामाजिक एकात्मता, सर्वधर्म समभाव, राष्ट्रीय एकात्मता आणि भारतीय राज्यघटनेचे अधिष्ठान असलेल्या मानवी मूल्यांची विद्यार्थ्यांमध्ये रुजवणूक होईल.

३) विद्यार्थ्यांमध्ये साहित्य व कला याविषयी आवड निर्माण होईल. त्याची चिकित्सा, तुलना, समीक्षा करण्याची दृष्टी विकसीत झाल्यामुळे विविध साहित्य प्रकारातील लेखनाचे योग्य अध्ययन, संशोधन आणि सर्जनशील निर्मिती करतील.

४) भाषा आणि साहित्याचा सामाजिक तसेच कलात्मक पातळीवर अभ्यास केल्याने विवेकपूर्ण तर्कसंगतता आणि कारुण्यपूर्ण संवेदनशीलता निर्माण होऊन साहित्याचे व्यावहारिक उपयोजन करता येईल.

५)साहित्याच्या विद्यार्थ्यांमध्ये मराठी साहित्याच्या अभ्यासासह प्रतिष्ठापूर्ण रोजगार मिळविण्यासाठी कौशल्ये प्राप्त होतील.

६) रोजगारा निर्मितीसाठी लागणाऱ्या विविध कौशल्यनिर्मितीचा दृष्टिकोन विद्यार्थ्यांमध्ये निर्माण डोईल.

#### अभ्यासक्रमाची रोजगारविषयक क्षमता (Employability Potential of the Programme)

नवा शोध, नवी स्पंदने दुसऱ्यांपर्यंत / समाजापर्यंत पोचवायाची असतीलतर समर्थ भाषेशिवाय पर्याय नाही. मग ती परंपरागत, संगणकीय, गणिती, एसएमएस तंत्राधारित, इमोजी भाषा का असेना, साहित्याच्या विद्यार्थ्यांना या अनुषंगाने जवळजवळ सर्वच सेवाक्षेत्रात, व्यवसायाच्या क्षेत्रात अंगिकृत भाषा कौशत्य व त्याच्या जोडीला त्याने आत्मसात केलेल्या इतर कौशल्यामुळे संधीची गंगा त्याच्या आजुबाजूला वाहते आहे व या संधीचे त्याने सोने केलेतर त्याला निश्चितच रोजगार प्राप्त होईल.

मानव विद्याशाखेतील मराठी वाड्.मय (ऐच्छिक)हा अभ्यासक्रम पूर्ण केल्यानंतर विद्यार्थ्यांना रोजगाराच्या विविध संधी प्राप्त होतील. त्यातीलकाही महत्त्वाच्या संधीची यादीखाली दिली आहे.

भ) बी.ए. ही पदवी प्राप्त झाल्यानंतर विद्यार्थ्यांना विविध स्पर्धा परीक्षांची तयारी करता येईल.

२) राज्य व केंद्रीय लोकसेवा आयोगाच्या परीक्षांची तयारी करण्यासाठी सदर अभ्यासक्रम उपयुक्त ठरेल.

3) विविध शासकीय, उद्योग, सेवाविषयक क्षेत्रात रोजगार प्राप्त होईल.

४) व्यावहारिक मराठीच्या माध्यमातून संवाद कौशल्ये अंगी बाणविल्यावर (१) व्यावहारिक - बाजार, दुकान, स्टेशन इ. (२) व्यावसायिक - शिक्षक, प्राध्यापक, वकील, डॉक्टर, विक्रेता, दलाल, दुभाषी, शेअर दलाल, इ.(३) प्रशासकीय (४) रंगभूमी/लोकरंगभूमी यामध्ये व्यवसायाच्या संधी निर्माण होतील.

५) माहिती प्रसारण या क्षेत्रात उपसंपादक, वार्ताहर, सूत्रसंचालक, कथालेखक, छायाचित्रकार, ध्वनिसंकलक, दिग्दर्शक, सहाय्यक दिग्दर्शक, कार्यकारी निर्माता, स्तंभलेखक, व्हाईस ओव्हर आर्टिस्ट, बातमी विश्लेषक, जनसंपर्क अधिकारी अशा रोजगाराच्या संधी उपलब्ध आहेत.

६) दृकश्राव्य माध्यमात संवाद व कथालेखक, पटकथालेखक, पटकथा सल्लागार आणि मार्गदर्शक, मध्यस्थ, निवेदक, सूत्रसंचालक, संहितालेखक, गीतलेखक, माहितीपट निर्माता, नट, कलाकार, गायक, संगीतकार, हास्यकलाकार अशा विविध संधी उपलब्ध आहेत.

७) फलक लेखन, भित्तीपत्रक लेखन, नामपट्टीका लेखन, ब्लॉग रायटर, अहवाल लेखक, मानपत्र/प्रमाणपत्र लेखक, आभासी (घोष्ट रायटर) लेखक, शब्दांकनकर्ता, दिनदर्शिका, शुभेच्छापत्रे, लग्न पत्रिका, निमंत्रण पत्रिका,

	Total Marks = 80 Marks
B) Expansion of Idea ONE out of THREE	(1 X 6 = 6 Marks)
Q: 5: A) General essay of about 300 words on any ONE out of THREE given topics.	(1 X 10 = 10 Marks)
Q: 4: SIXTEEN Multiple Choice Questions (MCQ) based on Unit Three & Four	(16 X 1 = 16 Marks)
Q: 3: The examinees shall have to attempt any ONE out of TWO long answer questions of SIXTEEN marks from the prescribed One - Act.Play (Unit Five).	(1 x 16 = 16 Marks)
Q: 2: The examinees shall have to attempt any TWO out of FOUR long answer questions of EIGHT marks each from the Unit Four.	(2 x 8 = 16 Marks)

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## Appendix-B

बी.	ए. भाग	- २	मराठी	(आवश्यक)
22.5		सत्र	13रे	

।। गुण विभागणी ।।

एकूण गुण – १००
लेखी गुण – ८०
अंतर्गत मूल्यमापन - २०
वेळ - ३ तास

#### अभ्यासक्रमासाठी नेमलेले पाठचपुस्तक

'मुदगंध' भाग २ (विभाग 'अ', 'ब', आणि 'क' साठी)

विभाग - अ	वैचारिक	-	१६ गुण
विभाग - ब	ललित	-	१६ गुण
विभाग - क	कविता	-	१६ गुण
विभाग – ड	उपयोजित मराठी	-	१६ गुण
	वैचारिक, ललित व कविता या	-	१६ गुण
	विभागांवर वस्तुनिष्ठ बहुपर्यायी प्र	श्न	
		21.034	

विभाग 'अ' व 'ब' यावर प्रत्येकी सोळा गुणांचा एक दीर्घोत्तरी प्रश्न	 ३२ गुण
विभाग 'क' यावर प्रत्येकी आठ गुणांचे दोन लघुत्तरी प्रश्न	 १६ गुण
विभाग 'ड' मधील उपयोजित मराठीवर प्रत्येकी आठ गुणांचे दोन लघुत्तरी प्रश्न	 १६ गुण
वस्तुनिष्ठ प्रश्न - उपरोक्त अभ्यासक्रमातील विभाग 'अ', 'ब' आणि 'क' यावर	 १६ गुण
आधारित वस्तुनिष्ठ स्वरुपाचे एकूण १६ बहुपर्यायी प्रश्न	
विचारले जातील. प्रत्येक प्रश्नास एक गुण याप्रमाणे हा	
प्रश्न १६ गुणांचा असेल.	

विभाग 'ड' साठी संदर्भग्रंथ म्हणून 'उपयोजित मराठी' संपादक - केतकी मोडक व इतर, पद्मगंधा प्रकाशन, पुणे हा ग्रंथ असेल. या ग्रंथातील प्रकरण २२ वे 'वक्तृत्व कला' व प्रकरण २३ वे 'सूत्रसंचालन' या प्रकरणांवर प्रत्येकी ०८ गुणांचा एक लघुत्तरी प्रश्न विचारण्यात येईल.

अंतर्गत मूल्यमापन : एकूण २० गुणांची अंतर्गत मूल्यमापन परीक्षा राहील.

बी. ए. भाग – २ मराठी (आवश्यक) सत्र ४ थे

।। गुण विभागणी ।।

एकूण गुण – १००
लेखी गुण – ८०
अंतर्गत मूल्यमापन – २०
वेळ - ३ तास

अभ्यासक्रमासाठी नेमलेले पाठ्यपुस्तक -- 'मृदगंध' भाग २ (विभाग 'अ', 'ब', आणि 'क' साठी)

विभाग - अ	वैचारिक		१६ गुण
विभाग - ब	ललित		१६ गुण
विभाग - क	कविता		१६ गुण
विभाग – ड	उपयोजित मराठी		१६ गुण
	वैचारिक, ललित व कविता या		१६ गुण
	विभागांवर वस्तुनिष्ठ बहुपर्यायी प्र	श्न	

विभाग 'अ' व 'ब' यावर प्रत्येकी सोळा गुणांचा एक दीर्घोत्तरी प्रश्न	 ३२ गुण
विभाग 'क' यावर प्रत्येकी आठ गुणांचे दोन लघुत्तरी प्रश्न	 १६ गुण
विभाग 'ड' मधील उपयोजित मराठीवर प्रत्येकी आठ गुणांचे दोन लघुत्तरी प्रश्न	 १६ गुण
वस्तुनिष्ठ प्रश्न - उपरोक्त अभ्यासक्रमातील विभाग 'अ','ब' आणि 'क' यावर	 १६ गुण
आधारित वस्तुनिष्ठ स्वरुपाचे एकूण १६ बहुपर्यायी प्रश्न	
विचारले जातील. प्रत्येक प्रश्नास एक गुण याप्रमाणे हा	
प्रश्न १६ गुणांचा असेल.	

विभाग 'ड' साठी संदर्भग्रंथ म्हणून 'उपयोजित मराठी' संपादक - केतकी मोडक व इतर, पद्मगंधा प्रकाशन, पुणे हा ग्रंथ असेल. या ग्रंथातील प्रकरण ९ वे 'माहितीपत्रक' व प्रकरण १० वे 'निमंत्रणपत्रिका व कार्यक्रमपत्रिका' या प्रकरणांवर प्रत्येकी ०८ गुणांचा एक लघुत्तरी प्रश्न विचारण्यात येईल.

अंतर्गत मूल्यमापन : एकूण २० गुणांची अंतर्गत मूल्यमापन परीक्षा राहील.

- गुण विभागणी :
- १) गृहपाठ १० गुण
   २) मौखिक परीक्षा -- १० गुण

लेखी परीक्षा व अंतर्गत मूल्यमापन या दोन्ही परीक्षांमध्ये स्वतंत्रपणे उत्तीर्ण होणे आवश्यक राहील. त्यासाठी किमान गुण खालीलप्रमाणे आवश्यक असतील.

- लेखी परीक्षा ८० पैकी ३२ गुण आवश्यक
- अंतर्गत मूल्यमापन -- २० पैकी ०८ गुण आवश्यक

**सूचना :** 9) गृहपाठ हा पाठ्यपुस्तकांव्यतिरिक्त अन्य कोणत्याही भाषिक व वाड्.मयीन कौशल्य विकसित करणाया विषयावर असावा.

-90-

## संत गाडगे बाबा अमरावती विद्यापीठ, अमरावती

1	ग. ए.	, भाग -	३ मराठी	(आवश्यक)
		TT.	त्र ५ वे	

## ।। गुण विभागणी ।।

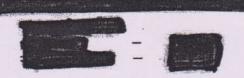
	एकूण गुण - १००
•	लेखी गुण - ८०
	अंतर्गत मूल्यमापन - २०
	वेळ - ३ तास

अभ्यासक्रमासाठी नेमलेले पाठ्यपुस्तक

'मूदगंध' भाग ३ (विभाग 'अ', 'ब', आणि 'क' साठी)

विभाग - अ	वैचारिक	_	१६ गुण
विभाग - ब	ललित	-	१६ गुण
विभाग - क	कविता	<u> </u>	१६ गुण
বিমাশ — ভ	उपयोजित मराठी	-	१६ गुण
	वैचारिक, ललित व कविता या	-	१६ गुण
	विभागांवर वस्तनिष्ठ बहपर्यायी प्र	श्न	

विभाग 'अ' व 'ब' यावर प्रत्येकी सोळा गुणांचा एक दीर्घोत्तरी प्रश्न — ३२ गुण विभाग 'क' यावर प्रत्येकी आठ गुणांचे दोन लघुत्तरी प्रश्न — १६ गुण विभाग 'ड' मधील उपयोजित मराठीवर प्रत्येकी आठ गुणांचे दोन लघुत्तरी प्रश्न — १६ गुण वस्तुनिष्ठ प्रश्न - उपरोक्त अभ्यासक्रमातील विभाग 'अ', 'ब' आणि 'क' यावर — १६ गुण आधारित वस्तुनिष्ठ स्वरुपाचे एकूण १६ बहुपर्यायी प्रश्न विचारले जातील. प्रत्येक प्रश्नास एक गुण याप्रमाणे हा प्रश्न १६ गुणांचा असेल.



लेखी परीक्षा व अंतर्गत मूल्यमापन या दोन्ही परीक्षांमध्ये स्वतंत्रपणे उत्तीर्ण होणे आवश्यक राहील. त्यासाठी किमान गुण खालीलप्रमाणे आवश्यक असतील.

- लेखी परीक्षा ८० पैकी ३२ गुण आवश्यक
- अंतर्गत मूल्यमापन २० पैकी ०८ गुण आवश्यक

सूचनाः १)

hi

2)

गृहपाठ हा पाठ्यपुस्तकांव्यतिरिक्त अन्य कोणत्याही भाषिक व वाङ् मयीन कौशल्य विकसित करणाऱ्या विषयावर असावा.

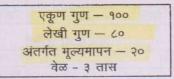
मौखिक परीक्षा ही गृहपाठावर आधारित असेल.

-99-

संत गाडगे बाबा अमरावती विद्यापीठ, अमरावती

le	Ì.	ए.	भाग	-	ş	मराठी	(आवश्यक)
				र	17	६ वे	

#### ।। गुण विभागणी ।।



#### अभ्यासक्रमासाठी नेमलेले पाठ्यपुस्तक

'मृदगंध' भाग ३ (विभाग 'अ', 'ब', आणि 'क' साठी)

गुण गुण गुण गुण

विभाग - अ	वैचारिक	-	१६ गुण
विभाग - ब	ललित	_	१६ गुण
विभाग - क	कविता	-	१६ गुण
विभाग – ड	उपयोजित मराठी		१६ गुण
	वैचारिक, ललित व कविता या	-	१६ गुण
	विभागांवर वस्तूनिष्ठ बहुपर्यायी प्र	ाश्न	

विभाग 'अ' व 'ब' यावर प्रत्येकी सोळा गुणांचा एक दीर्घोत्तरी प्रश्न		35
विभाग 'क' यावर प्रत्येकी आठ गुणांचे दोन लघुत्तरी प्रश्न		98
विभाग 'ड' मधील उपयोजित मराठीवर प्रत्येकी आठ गुणांचे दोन लघुत्तरी प्रश्न	-	98
	-	9६

विभाग 'ड' साठी संदर्भग्रंथ म्हणून 'उपयोजित मराठी' संपादक - केतकी मोडक व इतर, पद्मगंधा प्रकाशन, पुणे हा ग्रंथ असेल. या ग्रंथातील प्रकरण ६ वे 'जाहीर निवेदन' व प्रकरण ८ वे 'जाहिरात लेखन' या प्रकरणांवर प्रत्येकी ०८ गुणांचा एक लघुत्तरी प्रश्न विचारण्यात येईल.

and the second se	Contraction of the
अतर्मत मुल्यमापन के एकूण २० गुणांची अंतर्गत मूल्यमापन प्ररीक्षा र	13 STORE
Contraction of the second seco	and converse

गुण विभागणी गृहपाठ मोरिकल्क परीक्षा

लेखी परीक्षा व अंतर्गत मूल्यमापन या दोन्ही परीक्षांमध्ये स्वतंत्रपणे उत्तीर्ण होणे आवश्यक राहील. त्यासाठी किमान गुण खालीलप्रमाणे आवश्यक असतील.

. लेखी	<u> प्रीक्षा</u>
• अंतर	व मूल्यमापन्

ट० पैकी ३२ गुण आवश्यक = २० पैकी ०८ गुण आनरपक

सूचना : १)

गृहपाठ हा पाठ्यपुस्तकांव्यतिरिक्त अन्य कोणत्याही भाषिक व वाड्.मयीन कौशल्य विकसित करणाऱ्या विषयावर असावा. 2)

मौखिक परीक्षा ही गृहपाठावर आधारित असेल.

# -। २ -संपादित ग्रंथ - 'मृदगंध' भाग ३

बी. ए. भाग ३	मराठी	(आवश्यक)
3	सत्र ५	

### विभाग अ) वैचारिक

9)	शेतकऱ्याचा असूड	म. फूले	
2)	मंत्रबळ नव्हे यंत्रबळ	वि.दा.सावरकर	
	बुघ्दी : माणसाची खरी शक्ती	दादा धर्माधिकारी	

	विभ	गग ब) ललित	
9)	लोकजीवनातील वृक्षपूजा	द.ता.भोसले	
2)	पाणी	भास्कर चंदनशीव	
3)	दहा पैशाचा तमाशा	मुकुंद टाकसाळे	

### विभाग क) कविता

	14.11.144	/	
۹)	संतवाणी	अ) तुकाराम ब) रामदास	
2)	औदुंबर	बालकवी	
3)	गाव	ग्रेस	
8)	जीवनाचा शोध घेताना	वाहरू सोनवणे	
4)	खूणच पुसली मानवतेची	सुखदेव ढाणके	
<u>(</u>	दातासाठी हत्तीला मारण्याचे गणित	लोकनाथ यशवंत	

## विभाग ड) व्यावहारिक मराठी

9)	अहवाल लेखन	संदर्भ ग्रंथ : 'उपयोजित मराठी' मधील प्रकरण १२ वे	
5)	प्रसारमाध्यमांसाठी लेखन - वृत्तलेखन	संदर्भ ग्रंथ : 'उपयोजित मराठी' मधील प्रकरण १७ वे मधील 'बातमी लिहावी कशी' हा घटक	संपा. केतकी मोडक व इतर, पद्मगंधा प्रकाशन, पुणे

# बी. ए. भाग ३ मराठी (आवश्यक)

	स	त्र ६	
	विभाग अ	ı) वैचारिक	
9)	डॉ. पंजाबराव	वि. भि. कोलते	
2)	राजर्षी शाहु : वसा आणि वारसा	गोविंद पानसरे	

9)	डॉ. पंजाबराव	वि. भि. कोलते
2)	राजर्षी शाहू : वसा आणि वारसा	गोविंद पानसरे
3)	स्वराज्य संकल्पिका राष्ट्रमाता जिजाऊ	अशोक राणा

### विभाग ब) ललित

9)	मरणाहून आपेश वोखटे	भाऊसाहेबांची बखर	
2)	अरणी	मारुती चितमपल्ली	-
3)	ढग	सखा कलाल	

### विभाग को कविता

9)	संतवाणी	अ) शेख महंमद ब) फादर स्टिफन्स	
2)	पोरसवदा होतीस	बा.सी. मर्ढेकर	
3)	विझता विझता स्वतःला	नारायण सुर्वे	
8)	बैलाचा मृत्यू	वसंत आबाजी डहाके	
4)	काय कराल?	नारायण कुळकर्णी कवठेकर	
<b>Ę</b> )	शेतकरी	बबन सराडकर	

### विभाग ड) व्यावहारिक मराठी

9)	जाहीर निवेदन	संदर्भ ग्रंथ : 'उपयोजित मराठी' मधील प्रकरण ६ वे	संपा. केतकी मोडक व इतर, पद्मगंधा
२)	जाहिरात लेखन	संदर्भ ग्रंथ : 'उपयोजित मराठी' मधील प्रकरण ८ वे	प्रकाशन, पुणे

## बी. ए. भाग १ मराठी (आवश्यक)

सत्र २

	विभाग	अ) वैचारिक	
9)	तरुणांनो ! निर्भय बना, शूर बना	स्वामी विवेकानंद	
२)	वैज्ञानिक दृष्टिकोन	नरेंद्र दाभोळकर	
3)	स्त्री शुद्रांचा राजा छन्नपती शिवराय	चंद्रशेखर शिखरे	

A	from -1		0	-
विभाग	6	0	C	C

9)	हत्तीचा दृष्टांत	केशिराज बास
2)	अल्पभूधारक	बाबाराव मुसळे
3)	वसंतवेणा	मीनल येवले

विभाग क) कविता

9)	संतवाणी	अ) नामदेव ब) जनाबाई	
२)	तयास मानव म्हणावे का?	सावित्रीबाई फुले	
3)	चाफा	बी	
8)	गेले तुटून पंख	शिवा राऊत	
4)	योद्धा	मलिका अमर शेख	1
દ્દ)	माय	स.ग.पाचपोळ	

### विभाग ड) व्यावहारिक मराही

۹)	कार्यालयीन पत्रव्यवहार	संदर्भ ग्रंथ : 'उपयोजित मराठी' मधील प्रकरण ३ रे	
ર)	स्व-परिचयपत्र व नोकरीसाठी अर्जलेखन	संदर्भ ग्रंथ ः 'उपयोजित मराठी' मधील प्रकरण ४ रे	प्रकाशन, पुणे

बी.ए.भाग-१ मराट	ी वाङमय
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रन	PR	ले	
	4 1		

### ।। गुण विभागणी ।।

	एकूण गुण – १००	
	लेखी गुण – ८०	
अंत	र्गत मूल्यमापन - २०	
	वेळ - ३ तास	

### अभ्यासक्रमासाठी नेमलेले ग्रंथ -

भ) कादंबरी – तहान- लेखक सदानंद देशमुख, कॉन्टिनेन्टल प्रकाशन, पुणे

- २) अर्वाचीन मराठी कविता (संपादित) या ग्रंथातील क्रमांक एक ते सात हे कवी पहिल्या सत्रासाठी असतील.
- अ) कादंबरी तहान
- ब) कविता अर्वाचीन मराठी कविता (संपादित)

३२ गुण

८० गुण

४८ गुण

प्रश्ननिहाय गुण विभागणी

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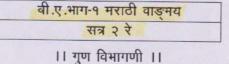
२) मौखिक परीक्षा

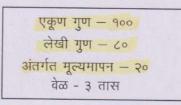
– १० गुण – १० गूण

लेखी परीक्षा व अंतर्गत मूल्यमापन या दोन्ही परीक्षांमध्ये खतंत्रपणे उत्तीर्ण होणे आवश्यक राहील. त्यासाठी किमान गुण खालीलप्रमाणे आवश्यक असतील.

- लेखी परीक्षा ८० पैकी ३२ गूण आवश्यक
- अंतर्गत मूल्यमापन -- २० पैकी ०८ गूण आवश्यक
- सूचना: १) गृहपाठ हा पाठ्यपुस्तकांव्यतिरिक्त अन्य कोणत्याही साहित्यिक, सामाजिक, सांस्कृतिक, समाज वास्तव वा समस्यांवर आधारित असावा. यामध्ये परिसरातील साहित्यिकाची मुलाखत घेऊन त्याचे शब्दांकन करणे, परिसरातील लोककलांची माहिती व विशेष नोंदवणे, परिसरातील म्हणी-वाक्प्रचार यांचे संकलन करुन विशेष नोंदवणे, लोकगीते, लोककथा यांचे संकलन करणे. ग्रामीण साहित्य, दलित साहित्य, स्त्रीवादी साहित्य इ. वर टिपण तयार करणे. परिसरातील वाङ्मयीन चळवळी, परिसराचा सांस्कृतिक वारसा यावर टिपण तयार करणे. परिसराच्या भाषेचे विशेष नोंदवणे. वाङ्मयीन व्यक्तिमत्त्वांचे चित्रण करणे. सांस्कृतिक कार्यक्रमांचे वृत्तांकन करणे. हस्तलिखिताचे मुद्रितशोधन करणे. लोकसंस्कृतीची माहिती नोंदवणे इ. बाबींचा समावेश असेल.
  - २) गृहपाठावर आधारित मौखिक परीक्षा घेण्यात यावी.

### संत गाडगे बाबा अमरावती विद्यापीठ, अमरावती





### अभ्यासक्रमासाठी नेमलेले ग्रंथ -

भ) नाटक - आई रिटायर होतेय लेखक अशोक पाटोळे, पॉप्युलर प्रकाशन, मुंबई

२) कविता - अर्वाचीन मराठी कविता (संपादित) या ग्रंथातील क्रमांक आठ ते चौदा हे कवी दुसया सत्रासाठी असतील.

अ) नाटक - आई रिटायर होतेय

ब) कविता - अर्वाचीन मराठी कविता (संपादित)

४८ गुण ३२ गुण -----८० गुण

### प्रश्ननिहाय गुण विभागणी

प्रश्न – १ संदर्भासह स्पष्टीकरण	- १६ गुण
<ul> <li>नाटकावर प्रत्येकी चार गुणांचे दोन संदर्भ विचारले जातील.</li> </ul>	
• अर्वाचीन मराठी कवितावर प्रत्येकी चार गुणांचे दोन संदर्भ विचारले जातील.	
प्रश्न – २ 'आई रिटायर होतेय' या नाटकावर एक दीर्घोत्तरी प्रश्न विचारला जाईल.	- १६ गुण
प्रश्न – ३ 'आई रिटायर होतेय' या नाटकावर प्रत्येकी आठ गुणांचे दोन लघुत्तरी प्रश्न विचारले जातील.	- १६ गुण
प्रश्न – ४ अर्वाचीन मराठी कवितावर प्रत्येकी आठ गुणांचे दोन लघुत्तरी प्रश्न विचारले जातील.	- १६ गुण
וויים וו ההבובאב הבווווווו וושב	00 1111

संत गाडगे बाबा अमरावती विद्यापीठ, अमरावती

बी.ए.भाग-२ मराठी वाङ्मय	
सत्र ३ रे	2

।। गुण विभागणी ।।

एकूण गुण – १००
लेखी गुण – ८०
अंतर्गत मूल्यमापन – २०
वेळ - ३ तास

### अभ्यासकमासाठी नेमलेले ग्रंथ -

भ) निवडक मराठी कथा - संपादित

२) संत तुकारामांचे निवडक अभंग - संपादक - आ.ह. साळुंखे, लोकायत प्रकाशन, सातारा.

<ul> <li>अ) निवडक मराठी कथा</li> <li>ब) संत तुकारामांचे निवडक अभंग</li> </ul>	४८ गुण ३२ गुण
	८० गण

### प्रश्ननिहाय गुण विभागणी

प्रश्न – १ संदर्भासह स्पष्टीकरण

•	निवडक	मराठी	कथा	यावर	प्रत्येकी	चार	गुणांचे	दोन	संदर्भ	विचारले	जातील.
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• संत तुकारामांचे निवडक अभंग यावर प्रत्येकी चार गुणांचे दोन संदर्भ विचारले जातील.

प्रश्न - २ निवडक मराठी कथा यावर एक दीर्घोत्तरी प्रश्न विचारला जाईल.

प्रश्न – ३ निवडक मराठी कथा यावर प्रत्येकी आठ गुणांचे दोन लघुत्तरी प्रश्न विचारले जातील. - १६ गुण प्रश्न – ४ संत तुकारामांचे निवडक अभंग यावर प्रत्येकी आठ गुणांचे दोन लघुत्तरी प्रश्न विचारले जातील. - १६ गुण प्रश्न – ५ वस्तुनिष्ठ बहुपर्यायी प्रश्न (उपरोक्त निवडक मराठी कथा व संत तुकारामांचे निवडक अभंग यावर आधारित प्रत्येकी

- १६ गुण

- १६ गुण

एक गुण असे १६ वस्तुनिष्ठ बहुपर्यायी प्रश्न असतील.)

### अंतर्गत मूल्यमापन :

एकूण २० गुणांची अंतर्गत मूल्यमापन परीक्षा राहील त्याची गुण विभागणी खालीलप्रमाणे

- १) गृहपाठ
- २) मौखिक परीक्षा
- १० गुण - १० गुण

लेखी परीक्षा व अंतर्गत मूल्यमापन या दोन्ही परीक्षांमध्ये स्वतंत्रपणे उत्तीर्ण होणे आवश्यक राहील. त्यासाठी किमान गुण खालीलप्रमाणे आवश्यक असतील.

- लेखी परीक्षा ८० पैकी ३२ गुण आवश्यक
- अंतर्गत मूल्यमापन -- २० पैकी ०८ गूण आवश्यक

संत गाडगे बाबा अमरावती विद्यापीठ, अमरावती

बी.ए.	भाग-२ म	नराठी	वाङ्मय
	सत्र	४ थे	

।। गुण विभागणी ।।

एकूण गुण – १००	
लेखी गुण – ८०	
अंतर्गत मूल्यमापन – २०	
वेळ - ३ तास	

### अभ्यासक्रमासाठी नेमलेले ग्रंथ -

भ) आत्मकथन -आठवणीचे पक्षी - लेखक प्र.ई.सोनकांबळे, चेतना प्रकाशन.

२) लीळाचरित्रातील निवडक कथा - संपादक - राजेंद्र राऊत

अ) आत्मकथन - आठवणीचे पक्षी ब) लीळाचरित्रातील निवडक कथा

8C 32	9
60	 गण

- १६ गुण

- १६ गुण

### प्रश्ननिहाय गुण विभागणी

प्रश्न – १ संदर्भासह स्पष्टीकरण

•	आठवणीचे	पक्षी	यावर	प्रत्येकी	चार	गुणांचे	दोन	संदर्भ	विचारले	जातील.	
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• लीळाचरित्रातील निवडक कथा यावर प्रत्येकी चार गुणांचे दोन संदर्भ विचारले जातील.

प्रश्न - २ आठवणींचे पक्षी यावर एक दीर्घोत्तरी प्रश्न विचारला जाईल.

प्रश्न – ३ आठवणींचे पक्षी यावर प्रत्येकी आठ गुणांचे दोन लघुत्तरी प्रश्न विचारले जातील १६ ग	णि
प्रश्न – ४ लीळाचरित्रातील निवडक कथा यावर प्रत्येकी आठ गुणांचे दोन लघुत्तरी प्रश्न विचारले जातील १६ गु	ण
प्रश्न - ५ वस्तुनिष्ठ बहुपर्यायी प्रश्न - १६ ग	
(उपरोक्त आठवणींचे पक्षी व लीळाचरित्रातील निवडक कथा यावर आधारित प्रत्येकी	i.

एक गुण असे १६ वस्तुनिष्ठ बहुपर्यायी प्रश्न असतील.)

### अंतर्गत मूल्यमापन :

एकूण २० गुणांची अंतर्गत मूल्यमापन परीक्षा राहील त्याची गुण विभागणी खालीलप्रमाणे

१) गृहपाठ	– १० गुण
२) मौखिक परीक्षा	– १० गुण

लेखी परीक्षा व अंतर्गत मूल्यमापन या दोन्ही परीक्षांमध्ये खतंत्रपणे उत्तीर्ण होणे आवश्यक राहील. त्यासाठी किमान गुण खालीलप्रमाणे आवश्यक असतील.

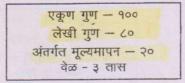
• लखा पराक्षा – ८०	पैकी	35	गुण	आवश्यक	
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• अंतर्गत मूल्यमापन -- २० पैकी ०८ गुण आवश्यक

-२५--संत गाडगे बाबा अमरावती विद्यापीठ, अमरावती

बी.ए.भाग-३ मराठी वाङ्मय
 सत्र ५ वे

#### ।। गुण विभागणी ।।



#### अभ्यासक्रमासाठी नेमलेले ग्रंथ -

भेरासदारी - लेखक - द.मा.मिरासदार, कॉन्टिनेन्टल प्रकाशन, पुणे.

- २) साहित्य विचार संपादक डॉ.दत्तात्रय पुंडे, डॉ.स्नेहल तावरे, स्नेहवर्धन प्रकाशन, पुणे
  - भ) प्रकरण १ साहित्याचे स्वरुप
  - २) प्रकरण २ साहित्याचे प्रयोजन
  - ३) प्रकरण ३ साहित्याची निर्मितीप्रक्रिया
- अ) मिरासदारी

	a conception	0	0	
ब	) सा	हित्य	विचार	

35	गुण
20	गण

४८ गुण

प्रश्ननिहाय गुण विभागणी				
प्रश्न – १ संदर्भासह स्पष्टीकरण	-	02	गुण	
<ul> <li>मिरासदारी यावर प्रत्येकी चार गुणांचे दोन संदर्भ विचारले जातील.</li> </ul>				
प्रश्न – २ मिरासदारी यावर एक दीर्घोत्तरी प्रश्न विचारला जाईल.	-	98	गुण	
प्रश्न - ३ मिरासदारी यावर प्रत्येकी आठ गुणांचे दोन लघुत्तरी प्रश्न विचारले जातील.	-	98	गुण	
प्रश्न – ४ साहित्य विचार यावर एक दीर्घोत्तरी प्रश्न विचारला जाईल.	-	9Ę	गुण	
प्रश्न – ५ साहित्य विचार यावर एक लघुत्तरी प्रश्न विचारला जाईल.	-	02	गुण	
प्रश्न – ६ वस्तुनिष्ठ बहुपर्यायी प्रश्न	-	9&	गुण	
(उपरोक्त मिरासदारी व साहित्य विचार यावर आधारित प्रत्येकी				
एक गुण असे १६ वस्तुनिष्ठ बहुपर्यायी प्रश्न असतील.)				
A REAL PROPERTY AND				
अंतर्गत मूल्यमापन :				
एकूण २० गुणांची अंतर्गत मूल्यमापन परीक्षा राहील त्याची गुण विभागणी खालीलप्रमाणे.				
1) गृहपाउ				
जे मोरिवल परिशा				

लेखी परीक्षा व अंतर्गत मूल्यमापन या दोन्ही परीक्षांमध्ये खतंत्रपणे उत्तीर्ण होणे आवश्यक राहील. त्यासाठी किसान गुण खालीलप्रमाणे आवश्यक असतील.

• लेखी परीक्षा		८० मेकी ३२ गुण आवश्यक
• अंतर्गत सूल्यमापनः	-	, २० पैकी ०८ गुण आवश्यक

सूचना: १) गृहपाठ हा पाठ्यपुस्तकांव्यतिरिक्त अन्य कोणत्याही साहित्यिक, सामाजिक, सांस्कृतिक, समाज वास्तव वा समस्यांवर आधारित असावा. यामध्ये परिसरातील साहित्यिकाची मुलाखत घेऊन त्याचे शब्दांकन करणे, परिसरातील लोककलांची माहिती व विशेष नोंदवणे, परिसरातील म्हणी-वाक्प्रचार यांचे संकलन करुन विशेष नोंदवणे, लोकगीते, लोककथा यांचे संकलन करणे. ग्रामीण साहित्य, दलित साहित्य, स्त्रीवादी साहित्य इ. वर टिपण तयार करणे. परिसरातील वाङ्मयीन चळवळी, परिसराचा सांस्कृतिक वारसा यावर टिपण तयार करणे. परिसराच्या भाषेचे विशेष नोंदवणे. वाङ्मयीन व्यक्तिमत्त्वांचे वित्रण करणे. सांस्कृतिक कार्यक्रमांचे वृत्तांकन करणे. हस्तलिखिताचे मुद्रितशोधन करणे. लोकसंस्कृतीची माहिती नोंदवणे इ. बाबींचा समावेश असेल.

२) गृहपाठावर आधारित मौखिक परीक्षा घेण्यात यावी.

संत गाडगे बाबा अमरावती विद्यापीठ, अमरावती

बी	.ए.भाग-	३ मर	ाठी ।	वाङ्मय	
	£	त्र ६	वे		

### ।। गुण विभागणी ।।

एकूण गुण – १००
लेखी गुण - ८०
अंतर्गत मूल्यमापन - २०
वेळ - ३ तास

### अभ्यासक्रमासाठी नेमलेले ग्रंथ -

एक होता कार्व्हर — अनुवाद - वीणा गवाणकर, राजहंस प्रकाशन, पुणे.

- २) भाषाविज्ञान परिचय संपादक डॉ.मालशे, डॉ. पुंडे, डॉ.अंजली सोमण, पद्मगंधा प्रकाशन, पुणे.
  - प्रकरण १ भाषेचे स्वरुप आणि उपयोग
  - २) प्रकरण २ स्वनविज्ञान
  - ३) प्रकरण ३ स्वनिम विचार

अ) एक होता कार्व्हर	४८ गुण
ब) भाषाविज्ञान परिचय	३२ गुण
	८० गुण

### प्रश्ननिहाय गुण विभागणी

प्रश्न – १ संदर्भासह स्पष्टीकरण	- ०८ गुण
• एक होता कार्व्हर यावर प्रत्येकी चार गुणांचे दोन संदर्भ विचारले जातील.	
प्रश्न – २ एक होता कार्व्हर यावर एक दीर्घोत्तरी प्रश्न विचारला जाईल.	- १६ गुण
प्रश्न – ३ एक होता कार्व्हर यावर प्रत्येकी आठ गुणांचे दोन लघुत्तरी प्रश्न विचारले जातील.	- १६ गुण
प्रश्न – ४ भाषाविज्ञान परिचय यावर एक दीर्घोत्तरी प्रश्न विचारला जाईल.	- १६ गुण
प्रश्न – ५ भाषाविज्ञान परिचय यावर एक लघुत्तरी प्रश्न विचारला जाईल.	- ०८ गुण
प्रश्न – ६ वस्तुनिष्ठ बहुपर्यायी प्रश्न	- १६ गुण
(उपरोक्त एक होता कार्व्हर व भाषाविज्ञान परिचय यावर आधारित प्रत्येकी	
एक गुण असे १६ वस्तुनिष्ठ बहुपर्यायी प्रश्न असतील.)	

अतगत मूल्यमापन । एकृण २० मणांची अतगंव	मूल्यमापन परीक्षा राहील त्याची गुण विभागणी खा	त्नी जिस्त प्राणी
) गृहपाठ	- 40 Ant	
२) मोरिवक परीक्षा	- १व-सण	
लेखी परीक्षा व अंतर्गत म		
लेखी परीक्षा व अंतर्गत मू खालीलप्रमाणे आवश्यक उ	न्यमापन या दोन्ही प्ररीक्षांमध्ये खतंत्रप्रणे उत्तीर्ण र त्यतील	होणे आवश्यक राहील त्यांसाठी किम

• लेखी परीक्षा	-	A Z
अंतर्गत मुख्यमापने	-	1 m

८० पैकी उर मुण आवश्यक २० पैकी ०८ मुण आवश्यक गुण

सूचना: १) गृहपाठ हा पाठ्यपुस्तकांव्यतिरिक्त अन्य कोणत्याही साहित्यिक, सामाजिक, सांस्कृतिक, समाज वास्तव वा समस्यांवर आधारित असावा. यामध्ये परिसरातील साहित्यिकाची मुलाखत घेऊन त्याचे शब्दांकन करणे, परिसरातील लोककलांची माहिती व विशेष नोंदवणे, परिसरातील म्हणी-वाक्प्रचार यांचे संकलन करुन विशेष नोंदवणे, लोकगीते, लोककथा यांचे संकलन करणे. ग्रामीण साहित्य, दलित साहित्य, स्त्रीवादी साहित्य इ. वर टिपण तयार करणे. परिसरातील वाङ्मयीन चळवळी, परिसराचा सांस्कृतिक वारसा यावर टिपण तयार करणे. परिसराच्या भाषेचे विशेष नोंदवणे. वाङ्मयीन व्यक्तिमत्त्वांचे चित्रण करणे. सांस्कृतिक कार्यक्रमांचे वृत्तांकन करणे. इस्तलिखिताचे मुद्रितशोधन करणे. लोकसंस्कृतीची माहिती नोंदवणे इ. बाबींचा समावेश असेल.

२) गृहपाठावर आधारित मौखिक प्रीक्षा घेण्यात यावी.

#### Appendix-C

#### Syllabus B.A. (Economics) Paper Pattern for all Six Semester (Sem.I to Sem II)

Theory : 80 Marks Int.Ass. : 20 Marks

#### **Instructions** :

- i. All questions are compulsory
- ii. All question carry Equal Marks (Each question SIXTEEN Marks)
- Student will have to solve TWO long question from any two of the five units. Each of these broad question carry SIXTEEN Marks. (Internal Choice is available)
- Student will have to solve EIGHT Short Question in all choosing four question from each of the two units out of the total five. Each short question carries Four Marks (Internal Choice is available)
- Student will have to solve EIGHT Multiple Choice Type Question from any one of the five units. Each of these questions carries Two Marks.

_	0 X 2 - 10	
٢	Total = 80	

### Internal Examination: 20 Marks

1. Viva- Voce	-	10 Marks
2. Assignments	-	10 Marks

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Syllabi Prescribed for B.A. Part-I (Economics) Semester-I

#### MICRO ECONOMICS

# Credit : 04 Marks : 80 Int.Ass. : 20

### Unit-I Introduction to Economics :

- 1.1 Definition of Economics : Adam Smith, Marshall and Robins.
- 1.2 Economic Laws : Definition, Types, Characteristics & Comparison between Economic Laws and Physical Laws.
- 1.3 Micro & Macro Economics : Meaning, Importance & Comparison

### Unit-II Demand and Supply :

- 2.1 Demand : Definition and Law of Demand.
- 2.2 Supply : Definition and Law of Supply.
- 2.3 Elasticity of Demand : Definition and Types of Price Elasticity.
- 2.4 The Law of Diminishing Marginal Utility.

#### Unit-III Cost and Revenue Analysis :

- 3.1 Cost of Production : Meaning and kinds of Cost of Production Monetary Cost, Total Cost, Average Cost, Marginal Cost.
- 3.2 Revenue : Meaning and kinds of Revenue Total, Average and Marginal Revenue. Relation between Average Revenue and Marginal Revenue.
- 3.3 Internal and External Economies & Dis-economies.

#### Unit-IV Market Structure :

- 4.1 Perfect Competition Market : Definition and Characteristics.
- 4.2 Monopoly Market : Definition, Characteristics and Types, Price Discrimination under Monopoly and its Types.
- 4.3 Monopolistic Competition Market : Definition and Characteristics.
- 4.4 Oligopoly : Definition and Characteristics.

#### **Unit-V** Production Factors :

- 5.1 Definition and Characteristics of Production Factors : Land, Labour, Capital and Entrepreneur
- 5.2 Concept of Rent and The Recardian Theory of Rent.
- 5.3 Concept of Wages, Interest and Profit. (Theories not applicable)

#### **Books Recommended :**

RD

- 1. A.L. Meyers : Elements of Modern Economics
- 2. A.W. Stonier and D.C. Hugue : A Textbook of Economic Theory.
- 3. Awn and Das : Outline of Price Theory.
- 4. Alexander Cairncross : Introduction to Economics, 6th Edition.
- 5. G.L. Jain : Advance Micro Economic Theory, Mangal Deep Publications, Jaipur.
- 6. F. Ben ham : Economics
- 7. K.K. Dwett : Modern Economic Theory.
- M. Maria John Kennbedy : Advance Micro Economic Theory, Himalaya Publishing House, Delhi.
- 9. एम.एल.झिंगन व्यष्टि अर्थशास्त्र, वृंदा पब्लीकेशन, प्रा.लि. दिल्ली.
- 10. एल.एम.राज : अर्थशास्त्रके सिध्दांत, ज्ञानदा प्रकाशन, पटना.
- 11. एम.एल.सेठ माईक्रो अर्थशास्त्र, लक्ष्मी नारायण अग्रवाल एज्युकेशनल पब्लीकेशन्स, आग्रा.
- 12. प्रा. जिभकाटे बी.एल. : अर्थशास्त्राचे सिद्धांत, विश्व पब्लीशर्स ॲन्ड डिस्ट्रीब्युटर्स, नागपूर.
- 13. डॉ.जहागिरदार मुक्ता : आर्थिक सिध्दांत, विद्या प्रकाशन, नागपूर.
- 14. डॉ. माहोरे आर.वाय. : अर्थशास्त्राचे सिद्धांत, अंशुल पब्लीकेशन, नागपुर
- 15. डॉ.राजपूत करमसिंग आर. व डॉ. भांडवलकर आर.बी. : सुक्ष्म अर्थशास्त्र, अंशुल पब्लीकेशन, नागपूर
- 16. डॉ.तिवारी एच.आर. : सूक्ष्म अर्थशास्त्र, अद्वैत प्रकाशन, अकोला.
- 17. डॉ.तायडे पूष्पा : सूक्ष्म अर्थशास्त्र, मंगेश प्रकाशन, नागपुर,
- 18. डॉ.झामरे जी.एन.: सूक्ष्म अर्थशास्त्र, पिंपळापूरे ॲन्ड पब्लीशर्स, नागपुर.
- 19. डॉ.काकडे जे.एम. व डॉ.गव्हाळे आर.आर. सूक्ष्म अर्थशास्त्र, श्री साईनाथ प्रकाशन, नागपूर.
- 20. डॉ.राजपूत करमसिंग सूक्ष्म अर्थशास्त्र, श्री साईज्योती प्रकाशन, नागपूर.

#### B.A. Part-I Semester-II ECONOMY OF MAHARASHTRA

Marks : 80 Int.Ass. : 20

Unit-I - Geographical and Economical Features of Maharashtra :

- 1.1 Historical Background of Maharashtra State.
- 1.2 Geographical Features of Maharashtra State.
- 1.3 Features of Economy of Maharashtra State.

### Unit-II - Demographic Features of Maharashtra:

Credit: 04

- 2.1 Population Size and Growth Rates, Sex Ratio, Density of Population, Literacy..
- 2.2 Migration of Rural Population.
- 2.3 Urbanization in Maharashtra State.

#### Unit-III - Agriculture in Maharashtra:

- 3.1 Land Utilization and Cropping Pattern.
- 3.2 Productivity of Agriculture Causes of Low Productivity.
- 3.3 Land Reforms, Green Revolution, Irrigation in Maharashtra.

#### Unit-IV - Industry and Infrastructure in Maharashtra:

4.1 Main Features of Industrial Development

- 4.2 Small Scale Industries and Agro-based Industries in Maharashtra.
- 4.3 Development of Railways, Roads, Water, Air Transport in
  - Maharashtra.

#### Unit-V- Economy of Vidarbha Region:

5.1 Historical Background of Vidarbha Region.

5.2 Special Issues in Vidarbha Region -

- · Farmers' Suicides,
- Irrigation Backlog of Vidarbha,
- Tourism in Vidarbha.
- 5.3 Resources of Vidarbha Region-
  - Minerals
  - Energy
  - Forest

#### **Books Recommended :**

१. डॉ.र.पु.कुरुलकर	- महाराष्ट्राची अर्थव्यवस्था, विद्या प्रकाशन, नागपूर, २००६
२. डॉ.आर.एस.सोळुंके	- महाराष्ट्राची अर्थव्यवस्था, कैलास पब्लीकेशन, औरंगाबाद, १९९९.
३. डॉ. बी.डी.इंगळे	- महाराष्ट्राची अर्थव्यवस्था, अरूणा प्रकाशन, लातुर,२००९.
४. डॉ.मंगला जंगले	<ul> <li>महाराष्ट्राची अर्थव्यवस्था, प्रशांत पब्लीशर्स, जळगांव, २०१६.</li> </ul>
५. डॉ.माधव बिरादार	- महाराष्ट्राची अर्थव्यवस्था, विद्या बुक्स पब्लीशर्स, औरंगाबाद, २०१२.
६. नरेंद्र् लांजेवार	<ul> <li>शेतकयांच्या आत्महत्या, चिंतन आणि उपाय, सुमेरू प्रकाशन, डोंबिवली पूर्व, २००७.</li> </ul>
७. महाराष्ट्राची आर्थीक पाहणी, २०१६-१७	- अर्थ व सांख्यिकी संचालनालय, नियोजन विभाग, महाराष्ट्र शासन, मुंबई.
८. डॉ.वैद्य बी.एन.	- विदर्भाची अर्थव्यवस्था, मंगेश प्रकाशन, नागपूर.
९. डॉ.सौ.मृणालिनी फडणवी	स- विदर्भ पर्यटन - सुवर्ण आशा, श्री रेणुका प्रकाशन, नागपूर, २०१४.
१०. डॉ.श्रीकांत तिडके व शिवाजी नागरे	- विदर्भ ः विविध दिशा आणि दर्शन, अथर्व प्रकाशन, धुळे, २०१३.
११. नरेंद्र लांजेवार (संपादक)	- श्रीनिवास खांदेवाले – विदर्भ राज्य संकल्पना.
१२. तुकाराम जाधव	- वार्षिक २०१७ महाराष्ट्र, युनिक ॲकॅडेमी, २०१६.
१३. डॉ.दि.व्यं. जहागिरदार	<ul> <li>महाराष्ट्र : ५० वर्षातील आर्थिक विकासाचा घोटाळा, प्रकाशक-कौटिल्य ज्ञान प्रबोधिनी, सेंटर फॉर एकॉनॉमिक्स ॲन्ड सोशल स्टडीज, अमरावती</li> </ul>
	प्रकाशन वर्ष-२००९.
१४. डॉ.राजपूत करमसिंग	<ul> <li>महाराष्ट्राची अर्थव्यवस्था, साईज्योती प्रकाशन, नागपूर.</li> </ul>
१५. डॉ.संतोष तु. कुटे	- पश्चिम विदर्भ- आर्थिक दृष्टिक्षेप, लक्ष्मी पब्लीकेशन, सोलापूर-२०१७.
१६. डॉ.संतोष तु. कुटे	- कृषी व्युहरचना - संदर्भ अकोला जिल्हा, लक्ष्मी पब्लीकेशन, सोलापूर-२०१७.
१७. डॉ.विनोद म. गावंडे, डॉ.संतोष तु. कुटे	- विदर्भाची अर्थव्यवस्था, लक्ष्मी पब्लीकेशन, सोलापूर-२०१७.
	- महाराष्ट्राची अर्थव्यवस्था, प्रशांत पब्लीकेशन, जळगांव, २०१७.
19. Maharashtra Human De	velopment Report 2012.
20. Population Census of M	
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		Syllabus	B.A.	Appendix –
		Subject : Ec		
		Paper Pattern for A		
		(Semester-I to S	semester-v1)	Theory: 80 Marks
				Int.Ass. : 20 Marks
Ins	tructions :			
	and the second sec	estions are Compulsory stion carry Equal Marks (	Each Question SIX	TEEN Marks)
		ve to Solve TWO Long ( . Each of these broad Que e is Available)		
	four Question f	ve to Solve EIGHT Shor from Each of the Two uni n Carries Four Marks (Int	ts out of the Total F	ive. Each 8 x
		ve to Solve EIGHT Mult five units. Each of these		
		Internal Examination :	20 Marks	Tot
		1. Viva- Voce	- 10 Marks	
		2. Assignments	- 10 Marks	
			****	
		B.A. Part- Semester-I		
		Macro Econo		
	(	(Implemented from 201	8-2019 Session)	
Credit : 04				Marks : 80 Int.Ass. : 20
1.1 M 1.2 N Incom	ational Income : C e	cro Economics : Definition, Importance an Concept of National Inco ties in Measurement of N	ome, GNP, NNP, C	GDP, NDP and Per-C
	oney and Value of			
		aning, and Difficulties in Features and Functions	Barter System.	
		leaning of Value of Mone	ey, Fishers Quantity	Theory of Money
	Inflation and Deflat			
	iflation : Definition,			
		n Causes and Effect		

3.3 Dis-inflation and Reflation : Definition and Instrument's

### Unit-IV Output and Employment

- 4.1 Say's Law of Market
- 4.2 Consumption Function : Average and Marginal Propensity to Consume, Factors Influencing Consumption Function.
- 4.3 Investment Multiplier : Definition, Leakages (Limitations) and Importance, Types of Investment (Induced and Autonomous Investment)

#### **Unit-V International Trade**

5.1 International Trade : Meaning of Inter-Regional and International Trade, Difference between Inter- Regional and International Trade, Importance of the Study of International Economics.

5.2 Recardo's Comparative Cost Theory of International Trade

5.3 Advantages and Disadvantages of International Trade

#### **Recommended Books :**

- 1) Gupta S.B. (1994) Monetary Economics, S. Chand and Co. Delhi
- 2) Heller, H.R. (1968) International Monetary Economics Prentice Hill, India
- 3) झिंगन एम.एल. समष्टी अर्थशास्त्र, वृंदा पब्लीकेशन, प्रा. लि. दिल्ली
- सेठ एम.एल. मॅक्रो इकॉनॉमिक्स, लक्ष्मी नारायण अग्रवाल एज्यूकेशनल पब्लीकेशन, आग्रा
- 5) डॉ. माहोरे रा.य. समष्टी अर्थशास्त्र, हिमालय पब्लिकेशन, हाऊस, मुंबई
- 6) प्रा. नांदे, प्रा. महाजन, समग्रलक्षी अर्थशास्त्र, मंगेश प्रकाशन, नागपूर
- 7) डॉ. राजपुत करमसिंग, स्थूल अर्थशास्त्र, श्री साईनाथ प्रकाशन, नागपुर २०१६
- 8) डॉ. जी.एन. झामरे, स्थुल अर्थशास्त्र, पिंपलापूरे ॲण्ड कं. पब्लीशर्स, नागपूर

#### B.A. Part-II Semester-IV Banking

Credit: 04

Marks : 80 Int.Ass. : 20

### Unit-I Commercial Bank

- 1.1 Bank : Meaning and Types
- 1.2 Commercial Bank : Definition and Functions
- 1.3 Credit Creation: Meaning, Process, Sources and Limitations of Credit Creation of Commercial

Bank

#### Unit-II Central Bank

- 2.1 Central Bank: Definition and Functions Definition and Importance of
- 2.2 Credit Control : Meaning, Quantitative and Qualitative Measures of Credit Control.
- 2.3 Monetary Policy OF RBI : Objectives and Limitations.

#### Unit-III Co-operative Banks and NABARD

- 3.1 Co-operative Bank : Meaning and Types
- 3.2 Co-operative Bank : Objectives and Functions.
- 3.3 NABARD : Definition, Objectives and Functions
- 3.4 Co-operatives Societies : Objectives and Functions

#### Unit-IV IMF and World Bank

- 3.1 International Monetary Fund (IMF) : Objectives, Importance and Functions.
- 3.2 World Bank (IBRD) : Objectives, Importance and Functions.
- 3.3 World Trade Organization (WTO): Objectives, Importance and Functions

### Unit-V Recent Services in Banking Sector

- 5.1 ATM
- 5.2 Debit Card
- 5.3 Credit Card
- 5.4 E-Marketing
- 5.5 Cashless Transactions
- 5.6 Mobile Banking
- 5.7 E-Wallets

5.8 Core Banking

5.9 RTGS and NEFT

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- 6) DidderJaymala :Geography of Maharashtra, Rawat publication. 2002
- 7) Censes Atlas : Govt. of Maharashtra
- 8) Sing R. L. : Elements of Practical Geography ManavBooks 2015
- 9) पुत्ते सुरेश : महारा ाचा भूगोल वि ा बु स प तिशस औरंगपुरा, औरंगाबाद २००९
- 10) दा ताने संतोष : महारा
- 11) वेचे पांडुरंग :महारा ाचा भूगोल
- 12) पाटील टी. पी. : महारा ाचा भूगोल
- 13) सबदी ए. बी. : महारा ाचा भूगोल , जिसली काशन, पुणे
- 14) सावंत काश: महारा ाचा भूगोल फडके काशन २००२
- 15) घारपुरे वि ल : महारा ाचा भूगोल, पिंपळापुरे काशन, नागपूर २०१८
- 16) मगर जरातुमार : महारा ाचा भूगोल, वि ा काशन नागपूर.१९९०
- 17) पाटील ही. जे. : महारा ाचा भूगोल, शांत पलिवेशन २०१०
- 18) कालकर ीकांत व सागळे शैलजा : महारा ाचा भूगोल, डायमंड पलिवेशन पूर्ण २००९
- 19) स सेना उमेश किशोर. : मानचि चि ण एव योगा मक भूगोल.
- 20) पुमिया बी. सी. : सव ण एवं े काय, ल मी पलिवेशन , दि ली.

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#### Paper Pattern for All Six Semester (Semester-I to Semester-VI) (Economics)

Theory : 80 Marks Int.Ass. : 20 Marks

Appendix-C

 $2 \times 16 = 32$ 

8 x 4 = 32

 $8 \ge 2 = 16$ 

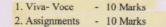
Total = 80

Marks : 80 Int.Ass. : 20

#### **Instructions** :

- i. All Questions are Compulsory
- ii. All question carry Equal Marks (Each Question SIXTEEN Marks)
- Student will have to Solve TWO Long Question from Any Two of the Five Units. Each of these broad Question carry SIXTEEN Marks. (Internal Choice is Available)
- Student will have to Solve EIGHT Short Question in all choosing four Question from Each of the Two units out of the Total Five. Each Short Question Carries Four Marks (Internal Choice is Available)
- Student will have to Solve EIGHT Multiple Choice Type Question from Any One of the five units. Each of these Questions Carries Two Marks.

#### Internal Examination: 20 Marks



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B.A. Final Semester-V

**Indian Economy** 

#### (To be Implemented from 2019-2020 Session)

Credit: 04

Unit-I Indian Economy and Planning :

1.1 Basic Feature of Indian Economy

1.2 Economic Planning : Objectives, Types, Objective of 11th & 12th Five Year Plan.

1.3 New Economic Reforms :- Liberalization, Privatization, Globalization

#### Unit-II Agriculture :

- 2.1. Importance of Agriculture in Indian Economy :
- 2.2 Productivity :- Causes of Low Productivity and Remedies to increase productivity
- 2.3 Agricultural Marketing : Difficulties and Remedies of Agricultural Marketing
- 2.4 Subdivision and Fragmentation : Concept, Causes & Remedies.

#### Unit-III Industrial :

- 3.1 Industrial Policy 1991
- 3.2 Small Scale Industry : Importance, Problem, Remedies
- 3.3 Industrial Disputes : Causes, Remedies
- 3.4 Trade Union : Characteristics and Functions

#### Unit - IV External Sector an Important Areas of Concern :

- 4.1 India's Foreign Trade :- Direction & Composition
- 4.2 Poverty :- Causes, Remedies
- 4.3 Unemployment : Causes, Types, Remedies
- 4.4 Self Help Group

#### Unit-V Environment and Pollution :

#### 5.1 Environment : Meaning and Types

- 5.2 Natural Resources : Land, water, Forest, Causes and Remedies of Air, Water and Land Pollution
- 5.3 Global Warming.

#### **Books Recommended :**

- 1) Rudra Datta & K.P.M. Sundaram Indian Economy, S. Chand & company New Delhi
- 2) Five Year Plan, Govt. of India
- 3) Jalan Bimal :- Indian Economic Policy, preparing for the 21st Century, Viking, New Delhi
- 4) डॉ, ग.ना. झामरे : भारतीय अर्थव्यवस्था व विकास व पर्यावरण, अर्थशास्त्र, पिंपळापुरे प्रकाशन, नागपुर
- 5) मिश्र पुरी : भारतीय अर्थव्यवस्था, हिमालय पब्लिकेशन, दिल्ली
- 6) रुद्र दत्त व सुंदरम् के.पी.एम. : भारतीय अर्थव्यवस्था एस.चंद पब्लिकेशन, दिल्ली
- 7) डॉ. गव्हाळे राजेंद्र आर.. : आर्थिक विकास व पर्यावरणाचे अर्थशास्त्र ज्योतीचंद्र पब्लिकेशन, लातूर.

#### \*\*\*\*\* B.A. Final Semester-VI Demography

Credit: 04

Marks : 80 Int.Ass. : 20

#### Unit - I Introduction

- 1.1 Meaning and Scope of Demography
- 1.2 Theories of Population- Malthus, Optimum Population Theory, Theory of Demographic Transition
- 1.3 Population Explosion

#### Unit - II Fertility and Mortality

- 2.1 Importance of Study of Fertility
- 2.2 Factors affecting Fertility- Socio-Economic Factors, Economic Status, Health, Education,
  - Nutrition, Caste, Religion, Race, Region, Rural-Urban and Status of Husband & Wife.
- 2.3 Mortality- Death Rate, Birth and Infant Mortality Rate, Factors for Decline in Mortality in Recent Years.

#### Unit - III Migration of Population

- 3.1 Concept and Types- Temporary, Internal and International Migration
- 3.2 Effects of Migration on Population
- 3.3 Factors affecting Migration.

#### Unit - IV Urbanization of Population

- 4.1 Meaning and Causes of Urbanization
- 4.2 Pattern of Urbanization in India
- 4.3 Effects & Remedies to Urbanization

#### Unit - V Population and Development

- 5.1 Population and Human Development Issues
- 5.2 Evaluation of Population Policy in India- The shift in Policy from Population Control to Family Welfare to Women Empowerment

pn.rer '98910) 90.19 Janily Blanning Strategic and their Outcomes, the New Population Policy, (2000)

JAAC Co-ordinator,

IOAC Arts & Commerce College, Jarud

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#### TAN STAR B.A. Part-I (Home Economics)

Semester -I

Paper- Family Resource Management and Interior Decoration

Time- 3 Hours for Theory 3 Hours for Practical Periods Per Week- Theory - 5 Practical - 2 (per practical)

Total :	100 Marks
Theory :	50 Marks
Internal assessment	: 20 Marks
Practical :	30 Marks

### **Objectives:**

- 1) To introduce the student to the field of Home Economics.
- 2) To create an awareness among the students about resources and their management in the family.
- 3) To make aware about decision making and to enhance the decision making capability of the women .
- 4) To provide knowledge and develop skills regarding principles and methods of interior decoration.
- 5) To develop skill regarding preparing the Bouquets and Flower Arrangements for decoration and enhance the chances of employment.

#### Unit I: Introduction to Home Economics.

- Introduction to Home Economics 1.1
- 1.2 Meaning, Definition, Need and Importance of Home Economics.
- Branches of Home Economics and their utility in the daily life. 1.3
  - Food and Nutrition. i)
  - ii) Textile and Clothing
  - iii) Human Development
  - Family Resources Management iv)
  - v) Extension Education and Communication
  - vi) **Consumer Economics**
  - Human Relationship vii)
- 1.4 Home Economics as Education for Life
- 1.5 Contribution of Home Economics Education in National Development

### Unit II : Home Management and Family Resources

- 2.1 Meaning, Definition and Importance of Home Management 2.2
  - Process of Home Management
    - i) Planning
    - (ii) Controlling
    - iii) Evaluation
- 2.3 Definition, Types and Classification of Family Resources
- 2.4 Characteristics of Family Resources
- 2.5 Factors affecting resource management

### Unit III : Decision Making

- Meaning and Definition of Decision Making 3.1
- 3.2 Process of Decision Making
- 3.3 Types of Decision Making
- Role of Decision Making in Home Management. 3.4
- Decision Tree and Factors affecting Decision Making Process 3.5

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## Unit IV : Elements and Principles of Art. Colour Scheme

4.1	Definition and Introduction of following Elements of Art						
	i) Line	iii) Texture		Light		Pattern	
	ii) Form	iv) Colour	vi)	Space	viii)	Idea	

4.2 Definition and Importance and Application in Interior Decoration of following Principles of Art

i) Harmony	iii) Balance	v) Emphasis
ii) Scale and Proportion	iv) Rhythm	

### 4.3 Source of Colour, Classification of Colours

- i) Primary Colours
- ii) Secondary Colours
- iii) Intermediate Colours
- iv) Tertiary Colours
- v) Quarternery Colours and Colour Wheel
- 4.4 Effect of Colours and Colour Scheme
  - i) Relative Colour Scheme
  - ii) Contrasting Colour Scheme
- 4.5 Factors affecting the choice of Colours. Colour Scheme for Different Rooms.

### Unit V : Flower Arrangement

- 5.1 History, Objectives and Definition of Flower Arrangement.
- 5.2 Importance of Flowers, Flower Arrangement and Bouquets in Human Life.
- 5.3 Material Required for Flower Arrangement.
- 5.4 Factors to be considered while arranging flowers.
- 5.5 Types of Flower Arrangements.
  - i) Traditional
  - ii) Japanese
  - iii) Modern
  - iv) Miniature
  - v) Dry Arrangement
  - vi) Line Arrangement
  - vii) Mass Arrangement

(20 Marks)

### Internal Assessment :

### **Distribution of Marks**

- Organizing Demonstration or Guest Lecture on Flower Arrangement and Bouquet OR Colour Scheme through Greeting Cards / Rangoli Report Writing and Submission on Guest Lecture or Demonstration
   10 Marks
- 2. Attending, Submission and Presentation of seminar based on syllabus

	10 Marks	
Total	20 Marks	

### B.A. Part-I (Home Economics) Semester -II

Paper- Family Resource Management and Interior Decoration

Time- 3 Hours for Theory	Total :	100 Marks
3 Hours for Practical	Theory :	50 Marks
Periods Per Week- Theory - 5	Internal assessm	ent: 20 Marks
Practical - 2 (per practical)	Practical :	30 Marks

### **Objectives:**

- 1. To acquire basic knowledge of principles involved in planning of residential house.
- 2. To learn and apply various methods and techniques of Work Simplification.
- 3. To develop employability skills and the skill of "earning while learning."
- 4. To bring awareness about waste management and water conservation for environment protection.
- 5. To train the students from self employment point of view.

### Unit 1 : Family Housing

1.1 Family's housing needs

a) Protective,	d) Social	g) Style
b) Economic,	e) Standard of Living	h) Function
c) Affectional	f) Housing Goals	i) Occupation

- 1.2 Factors Affecting Selection of Site for House Building
  - a) Legal Aspect c) Physical Features e) Soil Condition g) Cost factor b) Location f) Services

d) Health aspect

### 1.3 Principles of House Planning

a)	Orientation	d) Circulation	g) Spaciousness j) Light	
b)	Grouping of Rooms	e) Flexibility	h) Aesthetics k) Ventilation	
c)	Roominess	f) Privacy	i) Economy	

#### 1.4 Types of Kitchen (Shapes)

- a) One wall kitchen c) L Shape Kitchen e) Broken U Shape Kitchen
- b) Double wall Kitchen d) U Shape Kitchen
- 1.5 Recent Trends in Kitchen

#### Unit 2: Work Simplification.

- 2.1 Meaning, Importance and Definition of Work Simplification.
- 2.2 Principles of Work Simplification.
- 2.3 Mundel's Law (Classes) of changes.
- 2.4 Techniques of Work Simplification.
- 2.5 Improving methods of Work Simplification.

### **Unit 3: Furniture Arrangement**

- 3.1 Styles of Furniture
  - a) Traditional b) Contemporary c) Modern
- 3.2 Types of Furniture
- 3.3 Factors involved in selection of Furniture.
- 3.4 Arrangement of Furniture in different rooms.
- Care of different types furniture. 3.5

### Unit 4: Water Conservation, Drainage and Waste Disposal.

- 4.1 Need, importance and methods of water conservation.
- 4.2 Need and Importance of house drainage.
- 4.3 Methods of House Drainage.
- i) Dilution ii) Purification iii) Soak pits.
- 4.4 Types of waste and need of waste disposal.

4.5 Methods of waste disposal.

- a) Composting. c) Conservancy System. e) Incineration.
- b) Vermicomposting. d) Dumping.

### Unit 5: Job Opportunities, Self Employment and Abilities.

5.1 Definition of Employment and Self Employment. Need of Self Employment in Home Economics.

- 5.2 Opportunities of Job and Self Employment in Home Economics.
- 5.3 Guiding Principles of Self Employment.
- i) Registration
- ii) Training
- iii) Knowledge of Equipments, their care and Material Required.
- iv) Loan Facility
- V) Preparation of Project Report.
- vi) Account Keeping
- vii) Costing
- viii) Labeling
- ix) Packaging
- x) Marketing.
- 5.4 Concept and Benefits of Self Help Groups and the role of Self Help Groups in women empowerment.

5.5 Ways of success of Self Help Groups and Role of MAVM (Mahila Arthik Vikas Mandal) in Self Help Groups

#### Internal Assessment : (20 Marks)

#### **Distribution of Marks:**

Class work

1.

**Practical:** 

a)

b)

c)

1.

1

- Visit / Exhibition of articles made by students.
  - Visit to any one of the following
    - i) Cottage Industry

- ii) Self help Group
- iii) Women Entrepreneurship Establishment iv) Exhibition cum sell

Report writing and submission of the above activity

3. Attending, Submission and Presentation of seminar based on syllabus

			10 Marks
		Fotal	20 Marks
work			
Practical record book			
i) Methods of Embroideri and designs.	ing the stitches with	the help	o of diagrams
ii) Embroidering following	g Stitches		
1- Bullion (knot) Stitch	2- Bead Work	3- Gla	ass Work
4- Herringbone	5- Kantha Work		
Embroidering two or three of t			
Preparing any one article base	d on "Best out of Wa	iste "	1011.
(Preparing Bags/ Envelopes fro	om waste papers or I	Block P	rinting on Envelope

### (Preparing I

or Cards ) Practical Examination: (30 Marks)

Distribution of Marks

(Time 3 Hours)

- **Class** work
  - a) Practical Record Book b)
  - Embroidering Stitches on Apron.
  - Any one article based on "Best out of Waste." c)
- 2 Examination
  - Embroidery Sample (Any Two Stitches) a)
  - b) Preparing Bags/ Envelopes from waste papers or any article based on "Best out of Waste" or Block Printing on Envelopes or Cards Viva

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Total

4 Marks 3 Marks **30 Marks** 

5 Marks

5 Marks

5 Marks

8 Marks

Principa

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- **10 Marks**

#### Pattern of Question Paper Examination: B.A.(Part I,II& III) Home Economics

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11	me-	3	H	0	ULS

Instructions: i) All questions are compulsory ii) All questions carry equal marks. Question No. 1: Long answer question with internal choice from any unit of 10 Marks. Question No. 2: Long answer question with internal choice from any unit of 10 Marks. Question No. 3: Four Short Answer questions with internal choice from any unit of 21/2 Marks each  $(2\frac{1}{2} \times 4 = 10 \text{ Marks})$ Four Short Answer questions with internal choice from any unit of 21/2 Question No. 4: Marks each  $(2\frac{1}{2} \times 4 = 10 \text{ Marks})$ Ten objective questions without internal choice. (1 x 10 = 10 Marks) Question No. 5: Note: i)

Twolong answer questions from any two unit.

Two short answer question from any two of the remaining units. ii)

iii) Objective question should be based on remaining unit.

#### **Rules and Regulations**

- 1-There will be five periods per week for theory paper.
- 2-For one practical there will be two periods per week per batch.
- 3-The batch for practical will comprise of Sixteen students.
- 4-Next (second) batch will be started when the number of students exceed 19. (i.e. when the number of students exceed 20% of the approved batch of 16 Students.)
- The minimum passing marks of theory paper will be 20 (i.e.40%). 5-
- 6-The minimum passing marks for practical will be 12 (i.e. 40%)
- The minimum passing marks for internal assessment will be 8 (i.e.40%) 7-
- Separate passing in theory, practical and internal assessment is necessary. 8-
- Marks will not be allotted to students if she is found absent for Practical and sessional. 9-

#### Private candidate

- With regard to the practical work the private candidate should be instructed to complete the 1practical prescribed in the college where she desires to appear for annual practical. The record book should be duly signed by the concerned head of the department.
- 2-Private candidate should write to the Principal concerned at the beginning of the session for permission to appear for the practical examination from the college.

#### Syllabi of B.A.Part-II (Home Eco.) Semester-III Food Science & Nutrition

(Implemented From 2018-2019 Session)

Periods of Instruction Per week - 5 Theory : 5 Periods Practical: 2 Periods Per Batch

Full Marks	:100
Theory	: 50
Int. Ass.	: 20
Practical	: 30

Full Marks -50

#### **Objectives:** This Course will enable the students :-

- 1. To understand the Basic Concept of Nutrition.
- 2. To gain the knowledge of Food, Food Functions and Nutritive Value of Foods.
- 3. To Develop abilities to plan Diets for various stages.
- 4. To Inspire the Entrepreneurial Skill.

#### Syllabus

#### Unit-I

1.1 Introduction of Food and Nutrition

1.2 Definitions : Food, Nutrition, Nutrients, Nutritional Status, Malnutrition and Health

Seal

- 1.3 Relation between Health and Nutrition
- functions of Foods : Physical, Psychological, Socio-Cultural commer

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#### Unit-II

#### **Energy Giving Nutrients:**

- 2.1 Fats and Carbohydrates- Classification, Sources, Functions, Requirement, Deficiency Symptoms, & Symptoms due to Excess Consumption.
- 2.2 Cereals :- i) Types and Nutritive Value ii) Products
- iii) Gelatinization & Food Quality Improving Methods
- 2.3 Fats Classification, Sources, Functions, Requirement, Deficiency Symptoms, & Symptoms due to Excess Consumption.
- 2.4 Oil and Oilseeds :- Types, Nutritive Value

#### Unit-III

#### **Body Building Nutrient :**

- 3.1 Protein Classification, Sources, Functions, Requirement Deficiency Symptoms,
- 3.2 Pulses and Legumes Types and Nutritive Value.
- 3.3 Eggs- Structure, Nutritive value,
- 3.4 Meat, Fish& Poultry Types, Nutritive Value and Selection

#### Unit-IV

#### Protecting and Regulating Nutrients:

- 4.1 Vitamin-A,B,C,D,E,K- Sources, Functions, Requirement Deficiency Symptoms
- 4.2 Minerals Calcium, Phosphorus, Sodium Chloride, Iron, Iodine & Copper Sources, Functions, Requirement Deficiency Symptoms
- 4.3 Vegetables and Fruits- Importance, Types, Nutritive Value, Selection.
- 4.4 Water- Sources, Functions, Requirement Deficiency Symptoms

#### Unit-V

- 5.1 Balanced Diet-Meaning and Importance.
- 5.2 Factors affecting on Balanced Diet
- 5.3 Principles of Meal Planning
- 5.4 Balanced Diet for Childhood, Adolescence, Pregnancy & Lactating Mother.

#### Internal Assessment (Total Marks 20)

1. Visit to Food Industry / Home Industry/ Moll/ Market/ Shop and Submit Report.- 10 Marks OR

To Prepare Regional Dish Any One(Group Work- Stall Management Aim).

OR

Demonstration Any One related to subject 2.Group Project (For Developing Research View)

### Class Work

- 10 Marks

- a) Celebration of Nutrition Week and Report
- (Aim- Application of Nutrition Knowledge and Extension Activity)
- b) Evaluation of Self Diet (One Week)

#### Practical (Total 30 Marks)

- a) Weights & Measures
- b) Demonstration of Pickles/ Masale/Gravies
- c) Regional Food Preparations Any One-Sambharwadi, Dahi Wada, Uttapa, Chhole Bhature, Sambar Wada & Bengali Mithai. (Any One)
- d) Compute Cost and Nutritive Value of Two Rich Nutrients Dish.

#### **Distribution of Practical Marks**

a)	Preparation of Dish&Presentation	(One Recipe) - 10 Marks
b)	Nutritive& Cost Value	- 05 Marks

- c) Class Work 08 Marks
- d) Record Book 04 Marks e) Viva-Voce - 03 Marks
- References :

1. Mudambi,S.R. and Rajgopal M.V. -Fundamental of Food and Nutrition, Wiley Eastern Limited

2. Swaminathan, M.

Ansari Road, New Delhi, 1987. - Essential Food and Nutrition V.I & II. The Bangalore

Printing and Publishing Comp, Mysore road, Bangalore.

3. ICMR Nutritive Value of Indian Book

4. ICMR Recommended Dietary Allowances.

5. Desai, Vasant	- Entrepreneurship Development Himalaya Pub House 1991-
6. Joshi, S.A.	<ul> <li>Vol-I,II,and III.</li> <li>Nutrition and Dietetics Tata MC Hill Pub Company Ltd New Delhi.</li> </ul>
7.Shrilakshmi, B.	- 1998 Dietetics Edi-III New Age international Ltd.Pub. Pune
8. Sethi, M. and Mathan, S.	-Catering management and An Integrated approach, new Age
	International Private LTd. New Delhi
९. महाजनी,स्नेहा	- आहारशास्त्राची मुलतत्वे, मंगेश प्रकाशन, नागपूर,
१०. लेले आणि देऊस्कर	- आहारमिमांसा, म.वि. ग्रं.नि.मंडळ, नागपुर,
११. लेले आणि देऊस्कर	- आहारशास्त्र विविध दृष्टीकोनातून, म.वि. ग्रं.नि.मंडळ, नागपुर,
१२. टिळक, निर्मला	- पार्टी-पार्टी शाकाहारी, पॉप्युलर प्रकाशन, मंबई
9३. परूळेकर, आशा आणि कांबळे वर	मुंधरा - रूचिपूर्णी, शारथ साहित्य, बुधवारपेठ, पूर्ण.
१४. लेले सरळ	- पोषण व आहारशास्त्र परिचय.
१५. देऊस्कर, आशा आणि जोशीसंध्य	I- अन्न व पोषण प्रात्यक्षिक कार्यपुस्तीका, प्रकाशक, व्ही.एल.देऊस्कर,
	वृंदावन कॉलनी, अमरावती.

#### General Reading :

1. Encyclopedia of Social Sciences.

#### Syllabi of B.A.Part-II (Home Eco.) Semester-IV Food Science & Nutrition (Implemented From 2018-2019 Session)

Periods of Instruction Per week - 5 Theory : 5 Periods Practical : 2 Periods Per Batch

Full Marks : 100 Theory: 50 Practical : 30 Int. Ass. : 20

### Objectives: This Course will enable the students :-

- 1. To understand the Basic Concepts related to Nutrition.
- 2. To development abilities to plan diets for various diseases.
- 3. To understand the methods of Food Preparation and Food Preservation.
- 4. To encourage the students for self employment.
- 5. To aware the work of different agencies in the area of health.

#### Syllabus

#### Unit-I

1.1 Definitions :Dietetics, Dieticians and Diet Therapy

- 1.2 Objectives and Principles of Diet Therapy
- 1.3 Types of Therapeutic Diet and Role of Dietician in Diet Therapy
- 1.4 National and International Agencies -- WHO, UNICEF, NIN & FAO.

#### Unit-II

- 2.1 Digestive System Diseases-Constipation, Acidity and Anemia (Symptoms, Causes, and Dietary Treatment)
- 2.2 Liver Disease Jaundice (Symptoms, Causes, and Dietary Treatment)
- 2.3 Pancreas Disease-Diabetes (Symptoms, Causes, and Dietary Treatment)2.4 Heart Disease-(Symptoms, Causes, and Dietary Treatment)

#### Unit-III

- 1.1 Food Cooking Importance and Objectives
- 1.2 Modern Methods of Cooking
- 1.3 Advantage and Disadvantages of Food Cooking
- 1.4 Processes -Pre-Cooking Processes and Improving Nutritional Quality of Food- Germination, Fermentation

#### Unit-IV

- 1.1 Food preservation-Meaning and Objectives
- 1.2 Principles of Food Preservation
- 1.3 Household methods of Food Preservation
- 1.4 Industrial Methods of Food Preservation

Unit-V 5.1 Food Spoila 5.2 Food Adulte				
5.2 Food Adulte	ge-Meaning	and Objects		
5.2 Identification			Hazards	1
5.5 Identification	of Food A	dulteration and	Precautions.	
5.4 Food Adulte	eration Prev			
		Internal A	ssessment (Total Marks 20)	
		ic Diet Plan for		- 10 Marks
(Aim-Sta	all Manage	ment and Mark		
4 D	Tr	(A. 0. 11.)	OR	
Any Pres	servative Ite	em (Aim-Stall	Management and Marketing) OR	
Demonst	tration Rela	ted to Subject C		
			Dish Using Local Food Stuff (Any One)	- 10 Marks
a) Brown	· · · ·		Class work	
a) Preparat	ion Scrap B		ractical (Total 30 Marks)	
	eights & Mea	asures		
		of Squash/ Juice		
c) On d) Co	ne Dish of Ri	ch Nutrient- Vita	min-A, Calories, Protein, Iron, Calcium & 7 lue of TwoDishes.	Thiamin
u) cu	inpute Cost	and reduine va	ide of TwoDisnes.	
		Dist	ribution of Practical Marks	
	a) Prepa	aration of Dish &	Presentation (One Recipe) - 10 Marks	
	a) Nutr	itive& Cost Valu	e - 05 Marks	
		s Work	- 08 Marks	
	and the second s	ord Book -Voce	- 04 Marks - 03 Marks	
References :	e) viva	-voce	- 03 Marks	
1. Mudambi,S.R. a	nd Raigopal	M.V Fundamer	ntal of Food and Nutrition, Wiley Eastern Lin	mited Ansari Road
		New Dell		inited Ausari Road,
2. Swaminathan, M	l.		Food and Nutrition V.I & II. The Bangalore	printing and publishing
3. ICMR Nutritive	Value of Ind		ysore road, Bangalore.	
4. ICMR Recomme				
5. Desai, Vasant			eurship Development Himalaya Pub House	1991-Vol-I.II.and III.
6. Joshi, S.A.		- Nutrition	and Dietetics Tata MC Hill Pub Company L	td New Delhi.
7. Shrilakshmi, B.	uthan C	- 1998 Diet	etics Edi-III New Age international Ltd.Pul	b. Pune
8. Sethi, M. and Ma	iuran, S.		nanagement and An Integrated approach, ne Td. New Delhi	w Age International
२. महाजनी,स्नेहा			ाची मुलतत्वे, मंगेश प्रकाशन, नागपूर.	
ho. लेले आणि देऊस	कर	- आहारमिमांस	ा, म.वि. ग्रं.नि.मंडळ, नागपूर.	
<ol> <li>लेले आणि देऊस</li> </ol>			विविध दृष्टीकोनातून, म.वि. ग्रं.नि.मंडळ, नागपूर	t.
२. टिळक, निर्मला			गकाहारी, पॉप्युलर प्रकाशन, मुंबई	
1३. परूळेकर, आशा	आणि कांबळे		ों, शारथ साहित्य, बुधवारपेठ, पुणे.	
18. लेले सरळ		- पोषण व आह	हारशास्त्र परिचय.	
14. देऊस्कर, आशा	आणि जोशीसं	ध्या- अन्न व पोषण	प्रात्यक्षिक कार्यपुस्तीका, प्रकाशक, व्ही.एल.देऊर	स्कर,
		वृंदावन कॉलनी		
Jeneral Reading			and state of the balance was the	
1. Encyclop	edia of So	cial Sciences.		
			****	
		Syllabi	of B.A.Part-II (Home Eco.)	Appendix – 'R
		Synabl	Semester-III	

Periods of Instruction Per week - 5 Theory : 5 Periods Practical : 2 Periods Per Batch Full Marks : 100 Theory Practical : 50 : 30 : 20 Int. Ass. **Objectives** : This Course will Enable the Students :-To know the students about Colour and Printing. To Put into Practice the Drafting and Draping by Different Ways. To aware the students about Traditional Embroideries in India. 1. 2 3 To learn the students Application & Development of Motif. To prepare the students for self Employment by fearn the Practice. Frincipal Seal Arte & Commerce Co"rge Lollege, Jarud Arts & Commerce Jarud, Ta. Warud, Dist. Aunruvati

#### **Rules and Regulations**

- 1-There will be five periods per week for theory paper.
- 2-For one practical there will be two periods per week per batch.
- 3-The batch for practical will comprise of Sixteen students.
- 4-Next (second) batch will be started when the number of students exceed 19. (i.e. when the number of students exceed 20% of the approved batch of 16 Students.)
- 5-The minimum passing marks of theory paper will be 20 (i.e.40%).
- 6-The minimum passing marks for practical will be 12 (i.e.40%)
- 7-The minimum passing marks for internal assessment will be 8 (i.e. 40%)
- 8-Separate passing in theory, practical and internal assessment is necessary.
- 9-Marks will not be allotted to students if she is found absent for Practical and sessional.

#### **Private Candidate :**

- 1-With regard to the practical work the private candidate should be instructed to complete the practical prescribed in the college where she desires to appear for annual practical. The record book should be duly signed by the concerned head of the department.
- 2-Private candidate should write to the Principal concerned at the beginning of the session for permission to appear for the practical examination from the college.

#### Syllabi for B.A.Final

#### HOME ECONOMICS Semester-V **HUMAN DEVELOPMENT** (Implemented from the 2019-2020 Session)

Periods of Instruction Per Week-5

Practical: 2 Periods Per Batch

	Total Marks :100
Theory:	5 PeriodsTheory : 50
	Practical:30
	Int Ass ·20

**Objectives** :

- 1.To Introduce the Concept of Human Development
  - 2. To know the Factors affecting on Human Development
  - 3. To study the definitions and Meaning Concerning the Concepts

#### **UNIT-I**

- 1.1 Meaning, Definitions and Importance of Human Development
- 1.2 Stages of Development & Developmental Tasks.
- 1.3 Principles & Factors affecting on Growth& Development
- 1.4 Stages of Prenatal Development.

#### Unit-II

- 2.1 Male and Female Reproduction System.
- 2.2 Sex determination & Twins & Premature Baby-Care & Causes
- 2.3 Advantages of Breast Feeding & Artificial Feeding.
- 2.4 Child Diseases Diarrhea, Jaundice, Diphtheria, Whooping Cough & Immunization

#### Unit-III

- 3.1 Motor Development : Meaning, Skills.
- 3.2Causes of Delayed Motor Development.
- 3.3 Physical development : Changes and Factors affecting Physical Development.
- 3.4 Play- Importance, Types & Social Adjustment.

#### Unit-IV

- 4.1 Intellectual Development : Classification of Intelligence. Intelligence Quotient (IQ)
- 4.2 Factor Affecting on Intellectual Development
- 4.3 Speech Development : Stages of Speech Development & Factors affecting on Speech Development ommer

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4.4 Speeph Defects

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Unit-V

- 5.1 Social Development ; Companion & Playmates.
- 5.2 Emotional Development Characteristics, Types.5.3 Moral Development ; Method& Factors for Moral Development

5.4 Discipline-Types & Merits & Demerits.

<b>INTERNAL</b> (Total	20 Marks)	
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1. Seminar on Related Topics	 05	
2.Case Study / Project (Group)	 10	
3.Educational tour/ visit (Report With Soft Copy)	 05	

#### CLASS WORK

1)	Celebration of Breast Feeding Week	04
2)	Preparation of Supplementary Food for Babyhood-Cerelac/Nachnisatwa/	05
	Sajina - Ghehuna / as per Nutrients. (Any One) (Group)	
3)	Poster Competition -Immunization Charts/ Female Foeticide /	05
	Personality / Intellectual.	

#### PRACTICALS(30 Marks)

- A) Cooking Diet Planning and Preparations of Following Recipes \*For Pregnant Women - Mix Veg Paratha, Veg Upma , Dalia & Veg Paneer \*For Lactating Women - Gum Laddoo, VegDhirdi& Veg Cutlet &Halwa. \*Baby During Weaning Period - Khir, Tomato Soup, Sooji, Soft Khichidi
- B) Preparation of Children's Play Materials Best Out of Waste

### Distribution of Marks (30 Marks)

- Child Development

	Preparation of Dish (Any One)	- 08 Marks
	With Presentation	
1)	Diet Plan (Any One)	- 05 Marks
2)	Class Work/ RB	- 14 Marks
3)	Viva	- 03 Marks

#### **References** :

1. Herlock Elizabeth

2. Swaminathan M.B. and Bharghave, R.K.	- Our Food.
3. HerlockElizabeths	- Chilgrowth and Development
4. Fontana Davind	- Personality and Education
5. Gardner, D. Bruce	- Development of early childhood
६.जूननकरकुसुम	- मातृकला
७. चंद्रावसकरनलिनी	- मातृकला आणि बालसंगोपन पिंपळापुरे प्र.कं.नागपूर.
८. पुरम प्रभावती	- शिवणकला, मॅजेस्टिक बुक स्टॉल, मुंबई-४
९. काळे प्रेमला	- बाल मानसशास्त्र
१०. आपटे, सारंगधर आणि पाठक	- आ
११. काळे प्रभावती	- लोकरीचे अभिनवविणकाम, नितीन प्रकाशन, पुणे-३०
१२. भिसे, पद्मावती	- सोपे शवणकाम मॅजेस्टिक बुक स्टॉल, मुंबई-४
१३. योगेन्द्रजीत भाई	- विकासात्मक मनोविज्ञान
१४. जुननकरकुसुम	- बालकाचाविकास व खेळणे
१५. जुननकरकुसुम	- मातृत्व आणि बालसंगोपन, पिंपळापुरेॲन्ड कं.पब्लीशर्स,
	महाल,नागपुर-२
१६. व-हाडपांडे नलिनी	- बालविकास
१७. कांडलकर लिना	- मानवविकास, विद्या प्रकाशन, रुईकर रोड, नागपूर-०२
१८. गणोरकर, मीना	- बालविकास आणि संबंधितक्षेत्र, म.वि.ग्रं.नि.पुणे-३०
१९. विंग, क्लाईव्ह, चौधरी शंकरनाडकर्णी सुरेश,	- एच आय व्ही आणिएडस, कुटुंब मार्गदर्शिका पॉप्युलर
	- प्रकाशन मुबंई – ३४

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#### HOME ECONOMICS Semester-VI HUMAN DEVELOPMENT

(Implemented from the 2019-2020 Session)

Periods of Instruction Per Week-5

Theory: 5 Periods

Practical: 2 Periods Per Batch

#### **Objectives: This Course Will Enable The Students**

- 1. To aware the Role of Heredity & Environment in Development
- 2. To State the Role of Parent & Teacher in Child Development.
- 3. To Introduce the Problems of Child .
- 4. To Inspire the Students for Skill Based Activity.

#### Unit-I

- 1.1 Heredity- Meaning & Laws
- 1.2 Role of Heredity- in Development of Child
- 1.3 Role of Environment- in Development of Child
- 1.4 Role of Family in Development of Child (Nuclear & Joint)

#### Unit-II

- 2.1 Personality: Types& Factors Affecting on Personality Development.
- 2.2 Defense Mechanism
- 2.3 Self Concept- Types (Positive & Negative).
- 2.4 Role of Self concept in Personality Development.

#### Unit-III

- 3.1 Leadership- Types & Qualities.
- 3.2 Childhood Behavioral Problems: Lying, Stealing, Nail Biting, Thumb Sucking. (Causes and
- Remedies)
- 3.3 Need& Importance of Sex Education
- 3.4 Handicapped Child- Types & Education & Learning Difficulties.

#### Unit-IV

4.1 Adolescence- Developmental Task

- 4.2 Physical & Emotional Changes in Adolescence .
- 4.3 Adolescence Habits & its effect on their life ( Jwenile Delinquency. Drugs. & Alcoholic)
- 4.4 Role of Parents & Teacher in Developing Positive Attitudes Towards Life.

#### Unit-V

5.1 Parenting- Importance & Types

5.2Parent - Child Relationship & Importance,

5.3 Methods of Child Rearing Practices.

5.4 Parental Challenge - (Junk Food, Television Watching, Social Media)

#### **INTERNAL** (Total 20 Marks)

1) Seminar on related Topics

- 10 Marks - 10 Marks
- Manage any Event Using Management Process (Birthday / Tea Party/Any Program)(Report Writing with ICT- Soft Copy)

#### CLASS WORK

- 1. Guest Lecture on women Awareness.
- 2. Workshop on personality development.

#### PRACTICALS (30 Marks)

Seal

- A) Cooking Diet Planning and Preparation of following Recipies
  - Pre-school Children Sandwiches, Groundnut Chikki, MixLadoo, VegPuri.
  - School Going Cake, Appe and Chutney, Chirvante, Mix Dal Wada
  - Adolescence Dhokla, Pannertikki, Pav-Bhaji, &Halwa
- B) Drafting and Stiching Any One of the following (Kurti b) Nighty c) Gown d) Salwar

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Total Marks : 100 Theory : 50 Practical : 30 Int.Ass. :20

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Appendix-A

### Syllabi of B.A. Part-I

(To be implemented from 2017-2018 Session)

#### Instructions for Both Semester I to IV of B.A. Part-I& Part-II

- Students will have to solve TWO (2) long Questions from any two of Five Units. Each of these long question carries SIXTEEN (16) Marks. Internal Choice is available from same unit.
- (2) Students will have to solve EIGHT (8) short questions in all choosing four questions from each of two units out of total five units. Each of these ShortQuestion carries FOUR
   (4) Marks. Internal choice is available from same unit.
- (3) Students will have to solve SIXTEEN (16) Multiple type Questions from all the five units. Each of these short Question carries ONE (1) Mark. No Internal Choice is available.

#### Internal Marks - 20

(1) TEN (10) Marks to be awarded by the teacher concerned on ASSIGMMENT submitted by the student. ASSIGNMENT is based on the syllabus.

(2) TEN (10) marks to be awarded by the teacher concerned on student's performance in VIVA-VOCE

which is based on the syllabus.

#### Draft syllabi of B.A. Part-I Semester-I (History of India From Earliest Times 1205 A.D.)

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Time : 3 Hours)

Marks : 80 Int.Ass. :20

#### Unit - I

### 1. Survey of the Sources of Ancient India

1.1 Archaeological sources.

- 1.2. Literary Sources and Foreign traveler's account
- 2. Harappan Civilization
  - 2.1Origin, extent
    - 2.2 Socio economic, religious and cultural life
    - 2.3 Town planning, architecture, script and decline

3. Vedic Age

- 3.1 Society, polity, economy, and religious life in pre vedic period
- 3.2 Society, polity, economy, and religious life in post vedic period
- 3.3 Social developments: Varna, Jati, and 16 Sanskaras

#### 4. Rise of Religious Movements

- 4.1 Causes, doctrines and social dimensions of Buddhism and Jainism
- 4.2 Spread and decline of Buddhism and Jainism

Unit - II

#### 1. Rise of Territorial States

- 1.1 Ganas and 16 Mahajanapadas,
- 1.2 Persian & Greek Invasions, it's impact
- 2. Mauryan and Post Mauryan Period (322 B.C. -320 A.D.)
  - 2.1. Chandragupta Maurya & Mauryan administration, art and architecture, Arthashastra and Indica
  - 2.2. Significance of Kaling War; Ashoka's Dhamma; patronage to Buddhism
  - 2.3 Post Mauryan Dynasties Sungas, Kushanas & Satavahans

#### Unit - III

#### 1. Gupta Dynasty :

- 1.1 Gupta age : Society : art and Architecture , Science and Technology
- 1.2 Administration, Trade, Commerce and Agriculture
- 1.3 Concept of Golden age

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#### 2. Vakatak Dynasty :

- 2.1 Literature, art and architecture
- 2.2 Relation of Vakatak with Gupta
- 2.3 Society and religion

Unit - IV

- 1. Vardhan Empire :
  - 1.1 Harshavardhan, patronage to Buddhism
- 2. Major Dynasties of Deccan & South India :
  - 2.1. Chalukyas of Badami & Rashtrakutas

2.2. Pallavas & Cholas their contribution towards culture, literature, trade and maritime

activities

3. Arab and Turks Invasion :

- 3.1 Arab Invasion and it's impact
- 3.2 Turks Invasion and it's impact

Unit - V

- 1. Education in ancient India
- 2. Position of women in ancient India
- 3. Judicial administration in ancient India
- 4. Art and architecture in ancient India

#### **Reference Books:**

1. Aivangar S.K. : Ancient India and South Indian History and Culture

2. Adava G.L. :- Early Indian Economics

3. Arun Bhattacharya : History of Ancient India

4. A.S. Altekar :- Rashtrakutas and their Times

5.A.S.Altekar :- Position of Women in Hindu civilization

6. A.S.Altekar :- Education in Ancient India (Tra-Marathi, Hindi)

7. Agrawal V.S. :- Gupta Art

8. Basham A.K. :- The Wonder That was India

9. Basham A.L. :- The cultural History of India

10. Bandopadhyaya N.C. :- Economic life and progress in Ancient India

11. Bhandarkar R.G. :- Ear IV History of Deccan

12. Desai Z.A. :- Indo-Islamic Architecture

13. D.N.Jha :- Ancient India (An outline)

14. Davis :- Historical Atlas of India.

15. Ghoshal U.N. :- The agrarian system in ancient India

16. Gopal L. :- The Economic life of North India

17. Harle J.C. :- Art and Architecture of the India Sub continent

- 18. Karashima N. :- Towards A New Formation south Indian Society under Vijaynagar Rule
- 19. Kieth A.B. :- The Religion and philosophy of Vedas and Upanishadas
- 20. Karashima N. Towards a new Formation, South Indian Society under Vijaynagar

21. Krishna Deva :- Temples of North India

22. Majumdar R.C. :- History and culture of the Indian people vols. II,III,IV & V

23. Munshi V.K.M. and R.R.Diwakar :- BharativaVidyaBhavan series Indian Inheritance. 3 Vols

24. Mujumdar R.C. :- The Vakataka and Gupta Age

25. Mukerjee R.K. - Chandragupta and his times

26. Mukerjee R.K. :- HarshaVardhan.

27. Mukerjee R.K. :- Education in Ancient India

28. Mujumdar B.P. :- Socio-Economic History of Northern India

29. NilkanthaSastri K.A. :- A History of South India from dri- Historic times to the fall of Vijaynagar

30. Puri B.N. :- India under the Kushanas

31. Pratapditya Pal (Ed.) Aspects of Indian Art

32. Possent G. (Ed.) Harappan Cities

33. Puri Chopra and Das :- Social and Economic History of India Vol.1

34. Rowland B. :- The Art and Achitecture of India

35. Sharma R.S. :- Light on early Indian Society and Economy

36. Sharma J.P. :- Republics in Ancient India

37. Saraswati S.K. :- A Survey of Indian Sculpture

8 Sharma R.S. :- Aspects of Political Ideas and Institution in Ancient India

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39. Sastri K.A.N. :- History of South India 40. Thapar Romila :- A History of Ancient India. 41. Tripathi R.S. History of Ancient India. 42. Thapar Romila :- Ancient Indian Social History (Marathi) ४३ वर्मा ए.सी. - मध्यकालीन भारत ७५०- १५४० खंड -१ ४४. लुनीया बी. एन. - प्राचीन भारत सभ्यता तथा संस्कृती का विकास ४५. पाण्डे राजबाली - प्राचीन भारत ४६ विद्यालंकार सत्यकेत्- प्राचीन भारत का इतिहास खंड १.२ ४७- जिपाठी भिमाशंकर - प्राचीन भारत ४८. अलेतकर मृज्मदार - प्राचीन भारत को शासन प्रणालो ४९. पाण्डे गोविंदचंद्र - बुध्द धर्म के विकास का इतिहास ५०. शास्त्री केलासचंद्र - जेन धर्म ५१. यहवंशी - शैवमत ५२. जेस्वाल, सवित - वैष्णव पंध का उदय तथा विकास ५३. उपाध्याय बलदेव - गुप्त साम्राज्य का इतिहास ५४. चटजी - हर्षवर्धन ५५. गायधनी , राहूरकर - प्राचीन भारताचा सांस्कृतिक इतिहास ५६. कुलकर्णी अ.रा. - प्राचीन भारत ५७. राव ब.दी. - प्राचीन भारताचा सांस्कृतिक इतिहास ५८. देवपुजारी डॉ. म्.बा, आणि कुलकर्णी डॉ. शे. रा. - प्राचीन भारत व शेजारील राष्ट्रे ५९. भागवतकर डॉ. कि. एन. - प्राचीन भारताची रुपरेषा ६०. डॉ. श. गो. कोलारकर- प्राचीन भारताचा राजकीय, सामाजिक, सांस्कृतिक इतिहास ६१. डॉ. रवींद्र वैद्य, डॉ. नामदेव ढाले, डॉ. प्रदीप येवले, डॉ. जी. बी. शहा - भारताचा इतिहास (प्रारंभापासून इ.स. १२०६ पर्यंत पब्लिकेशन्स, जळगाव ६२. शर्मा पी. एल. - प्राचीन भारत ६३. डॉ. मिराशी वा. वि. - वाकाटक नृपती आणि त्यांचा काळ ६४. महाजन वही. डी. - प्राचीन भारत ६५. भारत वर्ष का संपूर्ण इतिहास भाग -१ श्रो नेत्र पाण्डेय ६६. सातवाहन कालीन महाराष्ट्र - डॉ. रा. शी. मोरवंचीकर ६७. सातवाहन भारतीय शिक्षण पथ्वती - तवकर ६८. प्राचीन भारत का आर्थिक इतिहास - राधाकृष्ण चौधरी व अशोक कुमार ६९. प्राचीन भारत में संघटीत जीवन - डॉ. आर. सी. मुजुमदार ७०. भारताचा इतिहास (प्रारंभाषासून १५२६ पर्यंत ) - नि.सी. दिक्षीत ७१. भारताचा इतिहास (प्रारंभापासून १५२६ पर्यंत ) - डॉ. धनंजय आचार्य ७२. बोध्द धर्माचा इतिहास - डॉ. अशोक भोरजार व डॉ. प्रभाकर गद्रे, मंगेश प्रकाशन, मागपुर ७३. बुहतर भारताचा इतिहास - डॉ. रवींद वेद्य व डॉ. प्रभाकर, गद्रे, मंगेश प्रकाशन ,नागपुर ७४ सातवाहन आणि पश्चिमी क्षत्रप - डॉ. वि. वा. मिराशी ७५ प्राचीन महाराष्ट्राचा धार्मिक इतिहास - र. म. भुसारी ७६. डॉ. दांडगे मनोरमा - भारताचा इतिहास (प्रारंभाषासून १५२६ पर्यंत )

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#### Semester-II (B.A.Part-I) (History of India From 1206 A.D. to 1525 A.D.) Marks : 80

Time : 3 Hours)

#### Int.Ass. : 20

- Unit I 1. Qutbuddin Aibak 1.1 Foundation of Delhi Sultanate 1.2 Administration 2. Illutmish 2.1 Early difficulties

  - 2.2 Victory over his rivals, administration

#### 3. Razia

3.1 Opposition to her rule3.2 Causes of her fall

#### 4 Balban

- 4.1 Consolidation of the Sultanate
- 4.2 Restoration of the crown's prestige
- 4.3 Theory of kingship
- 4.4 Destruction of the 'Forty'
- 4.5 Reorganization of army

Unit - II

### 1. Allauddin Khilaji's Political & Administrative policy

1.1 His theory of kingship

- 1.2 Deccan policy
- 1.3 Administrative reforms
- 1.4 Military reforms

### 2. Allauddin Khilaji's Economical policy

### 2.1 Market control and revenue policy

2.2 Estimate of his achievements

#### 3. Mohammad Tughluq

3.1 His revenue reforms

- 3.2 Transfer of capital
- 3.3 Introduction of token currency
- 3.4 Famine relief and agricultural reforms
- 3.5 Causes of his failure
- 3.6 Estimate of his character and personality

4. Firoz Shah Tughluq

- 4.1 Economic reforms and impact
- 4.2 Religious policy.
- 5. Invasion of Timur (1398 A.D.)
  - 5.1 Causes, its effects
- 6. The Saiyyids, the Lodis and the decline of the Sultanate
- Unit III

#### 1. The Bahamani Kingdom

- 1.1 Rise and expansion of Bahamani Kingdom
- 1.2 society and economy
- 1.3 Achievements of Muhmad Gawan
- 1.4 Disintegration of Bahamani kingdom
- 1.5 Art and architecture

2. The Vijaynagar Empire

- 2.1 Rise and expansion of Vijaynagar empire
- 2.2 Society and economy
- 2.3 Achievements of Krishna Deva Raya. II
- 2.4 Disintegration of Vijaynagar kingdom
- 2.5 Art and architecture

#### Unit - IV

### 1. Political Structure during Sultanate Period

- 1.1 Political philosophy
- 1.2 Administrative system of Sultanate Period
- 1.3 Ruling classes
- 1.4 Military organization
- 2. State & Society
  - 2.1 Hindu and Muslim society
- 3. Social Status of Women
  - 3.1 Marriage, property rights
  - 3.2 Sati, Pardah and Devdasi.

#### Unit - V

#### 1. Economical and Technological Developments

- 1.1 Agriculture, Industries
- 1.2 Trade and commerce
- 1.3 Urban centers

#### 2. Art, & Education

2.1 Art and architecture

2.2. Literature and education

**3 Religious Movements** 

3.1 The Bhakti Movement :Warkari Sampraday, Mahanubhav Sampraday, Lingayat Sampraday

3.2 Suffi Movement

#### **Reference Books:**

1. Aivangar S.K. : Ancient India and South Indian History and Culture

2. Adava G.L. :- Early Indian Economics

3. Basham A.K. :- The Wonder That was India

4. Basham A.L. :- The cultural History of India

5. Bhandarkar R.G. :- Ear IV History of Deccan

6. Desai Z.A. :- Indo-Islamic Architecture

7. Davis :- Historical Atlas of India

8. Gopal L. :- The Economic life of North India

9. Harle J.C. :- Art and Architecture of the India Subcontinent

10. Habibulla :- Foundation of Muslim Rule in India

11. Krishna Deva :- Temples of North India

12. Majumdar R.C. :- History and culture of the Indian people vols. II, III, IV & V

13. Munshi V.K.M. and R.R.Diwakar :- Bharativa Vidya Bhavan series Indian Inheritance. 3 Vols

14. Mujumdar B.P. :- Socio-Economic History of Northern India

15. Pratapditya Pal (Ed.) Aspects of Indian Art

16. Puri Chopra and Das :- Social and Economic History of India Vol.1

17. Pandev A.B. :- Early Medieval India Ed.2

18. Rowland B. :- The Art and Achitecture of India

19. Sharma R.S. :- Light on early Indian Society and Economy

20. Saraswati S.K. :- A Survey of Indian Sculpture

21. Sastri K.A.N. :- History of South India

22. Satish Chandra :- Medieval India. From Sultanate to the Mughals

23. Stein Burton :- Peasent State and Society in Medieval South India

२४. चिटनीस कृ.ना. - मध्ययुगीन भारतीय संकल्पना व संस्था

२५. सेतू माधवराव पगडी- सुफी संप्रदाय

२६. डॉ. नलिनी टेंभेकर- प्राचीन व मध्यकालीन भारतीय राज्य

२७. के.एल. खुराना - भारत का सामाजिक एवंम आर्थिक इतिहास

२८. आशीर्वादीलाल श्रीवास्तव - दिल्ली सल्तनत

२९. डॉ.विपीन बिहारी सिन्हा - दिल्ली सल्तनत

३०. विद्याधर महाजन - मध्यकालीन भारत

३१. डॉ. दांडगे मनोरमा - भारताचा इतिहास (प्रारंभापासून १५२६ पर्यत)

३२. भारताचा इतिहास (प्रारंभापासून १५२६ पर्यत) ना.सि. दिक्षीत

३३. भारताचा इतिहास (प्रारंभापासून १५२६ पर्यत) डॉ. धनंजय आचार्य

३४. डॉ. रविंद्र वैद्य, डॉ. नामदेव ढाले, डॉ. प्रदिप येवले, डॉ. जी.बी. शाहा, डॉ. आर.एन. साळुंखे - भारताचा इतिहास (इ.वि.१२०६ ते १५२६ पर्यंत.) प्रशांत पब्लिकेशन, जळगाव.

\*\*\*\*

३५. बृहत्तर भारताचा इतिहास – डॉ. रविंद्र वैद्य व डॉ. प्रभाकर- गद्रे, मंगेश प्रकाशन नागपूर

३६. डॉ.बिच्चेवार सचितानंदर – परिवर्तनाचा महामेरू - महात्मा बश्वेश्वर, स्वाती प्रकाशन, पुर्णा.

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Appendix - 'A'

Marks: 80

Int.Ass.: 20

#### Syllabi of B.A. Part-II Semester-III & IV (Implemented from 2018-2019 Session) (History)

#### Instructions for Both Semester I to IV of B.A. Part-I& Part-II

- Students will have to Solve TWO (2) Long Questions from any Two of Five Units. Each of these Long Question carries SIXTEEN (16) Marks. Internal Choice is available from same unit.
- (2) Students will have to Solve EIGHT (8) Short Questions in all choosing four questions from each of Two units out of Total Five Units. Each of these ShortQuestion Carries FOUR (4) Marks. Internal Choice is available from same unit.
- (3) Students will have to Solve SIXTEEN (16) Multiple Type Questions from all the Five Units. Each of these Short Question Carries ONE (1) Mark. No Internal Choice is available.

#### **Distribution ofInternal 20 Marks**

- TEN (10) Marks to be awarded by the Teacher concerned on ASSIGMMENT submitted by the Student. ASSIGNMENT is based on the syllabus.
- (2) TEN (10) Marks to be awarded by the Teacher concerned on student's performance i VIVA-VOCE which is based on the syllabus.

### \*\*\*\*\*

#### B.A.Part-II Semester-III ( History of India From 1526 A.D. to 1756 A.D.) (Implemented from 2018-2019 Session)

Time: 3 Hours)

#### Unit-I

#### 1. Survey of the Sources of Medieval India :

- 1.1 Archaeological, Epigraphic and Numismatic Materials and Monuments.
- 1.2. Literary Sources-Persian, Sanskrit and Regional Languages.

#### 2. Establishment and Consolidation of Mughal Empire :

- 2.1 Babar
- 2.2 Akbar
- 2.3 ShershahaSuri
- 2.4 Aurangzeb

#### 3. Mughal Polity :

- 3.1 Administrative Structure
- 3.2 Manasabdari
- 3.3 Jagirdari

#### Unit-II

- 1. Mughal Ruling Classes :
  - 1.1 Ulema
  - 1.2 Nobility
  - 1.3 Jamindar

#### 2. Mughal's Relation with Indian Power :

2.1. Mughal's Relation with Rajput with special reference to Akbar and Aurangzeb

#### 3. Decline of Mughal Empire :

- 3.1 Political, Administrative Causes
- 3.2 Social, Economic and Religious Causes
- 3.4 Effects of Decline of Mughal Empire

#### Unit-III

1.

- Mughal Economy:
  - 1.1 Agricultural Production and Management of Water Recourses
  - 1.2 Trade and Commerce, Urban Centers and Industries
  - 1.3 Monetary System

#### 2. Mughal Society :

- 2.1 The Village Community and Peasantry, Agricultural Labor and Slaves
- 2.2 Urban Social Structure, Merchants, Bankers, Artisans, Craftsmen and Laborers
- 2.3 Status of Women and their Rights, Parda, Dasi, Sati

#### 3. Religion :

3.1 Sufis, Sant Tradition3.2 Sikh, Kabirpanthis, Vaishnava Bhakti

### 4. Cultural Life :

4.1 Education in Mughal period

4.2 Literature- Persian, Sanskrit and Regional Language

#### Unit-IV

- 1. Sources of Maratha History
  - Archaeological, Epigraphic and Numismatic Materials and Monuments.
     Literary Sources-Bakhars, Adnyapatra, Shakavali
- 2. Emergence of Maratha Power
  - 2.1 Political, Social, Religious and Economic Condition before rise of Maratha
    - 2.2 Causes of Rise of Maratha Power

#### 3. Maratha Power UnderShivaji

3.1 .Shivaji's Relations with Adilshahi

3.2. Shivaji's Relations with the Mughals

3.3. Significance of Shivaji's Coronation

- 4. Maratha Power UnderSambhaji
  - 4.1 .Sambhaji's Relations with the Portuguese
  - 4.2. Sambhaji's Relations with the Siddis of Janjira
  - 4.3. Sambhaji's Relations with the Mughals

### 5. The Maratha War of Independence

- 5.1. The Maratha War of Independence under Rajaram
- 5.2. The Maratha War of Independence under Tarabai

#### Unit-V

1. Political Administration Under Maratha 1.1 Central Administration, Ashta Pradhan Mandal 1.2 Provincial and Village Administration

#### 2. Military System Under Maratha

2.1 Infantry, Cavalry, Navy

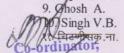
2.2 Secret Intelligence System of Shivaji

#### Judicial Administration Under Maratha 3.1 Judicial Structure andProcedure 3.2 Crimes and Punishment

- 4. Fiscal Administration of Maratha 4.1. Public Income 4.2. Public Expenditure
- Religious Policy of Maratha
   1. Religious Policy of Shivaji
   2. Religious Policy of Sambhaji

#### **Reference Books :**

- 1. Chaudhari K.N.
- 2. Chitnis K.N.
- 3. Chopra P.N.
- 4. Habibullah
- 5. Hussaini S.A.O.
- 6. Moreland W.H.
- 7. Sarkar Sir J.N.
- 8.Singh Meera



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- An Economic History from Rise of Islam to 1750
- Socio-Economic aspects of Medieval India
- A Socio-Economic and cultural History of Medieval India
- Foundation of Muslim rule in India
- Administration under the Mughals
- Agrarian System of Muslim India
- Mughal Administration
- Medieval History of India.
- Indian Economy
- The Economic History of India
- मध्ययुगीन भारतीय संकल्पना व संस्था

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- १२. पगडी सेतु माधवराव - सुफी संप्रदाय 93. गैरोला वाचस्पती - भारतीय संस्कृती औरकला १४. इरफान हबीब - मध्यकालीन भारत भाग १ ते ५ १५. श्रीवास्तव आशिर्वादीलाल - मुगले भारत - मध्ययुगीन भारत १६. महाजन विद्याधर १७. नि.सी.दिक्षीत <del>गारताचाइतिहास</del> (वगळण्यात आले) १८. डॉ.दांडगे मनोरमा - भारताचाइतिहास (१५२६ ते १९४७) १९. आचार्य धनंजय -भारताचाइतिहास (१५२६ ते १९४७) २०. वैद्यडॉ. रविंद्र व गद्रेडॉ.प्रभाकर - मोगल सम्राट औरंगजेब
- २१. भोरजारडॉ.अशोक व गद्रेडॉ.प्रभागर मोगल सम्राट अकबर

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#### B.A. Part-II Semester-IV ( History of India From 1757 A.D. to 1947 A.D.)

Time : 3 Hours)

#### Unit-I

#### 1. Advent of European Powers :

- 1.1 Portuguese
- 1.2 French
- 1.3 British

#### 2. Tools of Expansion of British Dominion in India :

2.1 Subsidiary Alliance2.2 Doctrine of Lapse

### 3. Economic Changes

- 3.1 Land Revenue Statements Permanent Settlement, Ryotwari, Mahalwari
- 3.2 Commercialization of Agriculture and it's Effects
- 3.3 Decline of Indian Industries, Major Modern Industries

#### Unit-II

1.

- Revolt of 1857 :
  - 1.1 Causes of Revolt, Nature, Results
  - 1.2 Queen's Proclamation

#### 2. Socio- Religious Movements:

- 2.1 BrahmoSamaj
- 2.2 AryaSamaj
- 2.3 Ramkrishna Mission
- 2.4 SatyashodhakSamaj

#### 3. Modern Education :

- 3.1 Rise and Growth of Modern Education
- 3.2 Effects of Modern Education

#### Unit-III

- 1. Nationalism :
  - 1.1 Rise of Nationalism Causes
  - 1.2. Formation of Indian National Congress

### 2. Indian National Congress (Early Phase) :

- 2.1 Role of Moderates
- 2.2 Rise of Extremists- Causes
- 2.3. Partition of Bengal
- 2.4Swadeshi and Boycott Movement

### 3. Indian National Congress ( Later Phase) :

3.1 Emerging communal Trends – Muslim League Formation 3.2. Home – Rule Movement

Marks : 80 Int.Ass. : 20

#### Unit-IV

#### 1. Early GandhianProgrammes :

- 1.1 Satyagraha, Ahimsa, Hartal
- 1.2. Early Struggle Champaran Satyagraha, Ahmadabad Mill Strike, hedSatyagrahya
- 1.3 Rowlatt Act-JaliyawalaBagh Massacre

#### Non Co-operation Movement : 2.

- 2.1 Causes, Nature, Effects
- 2.2. KhilapatMovement

#### **Civil Disobedience Movement:** 3.

- 3.1 Causes, Nature, Effects
- 3.2. Gandhi Irwin Pact
- 3.3 Round Table Conferences
- 3.4 PoonaPact

#### 4. Quite India Movement :

#### 4.1 Causes, Nature, Effects

4.2 Second World War and Indian National Movement

#### Unit-V

#### **Constitutional Development :** 1.

1.1 Act of 1909 & 1919 1.2. Act of 1935

## 2.

### **Revolutionary Movement:**

2.1 VasudeoBalwantPhadake, Chafekar brothers, V.D. Sawarkar

2.2. Lahor, Kakori and ChittgongConspiracy

#### 3. Subhash Chandra Bose and Azad Hind Army : 3.1 Foundation of Azad-Hind Army 3.2. Role of Subhash Chandra Bose in Azad Hind Army

## 4.

India Towards Independence : 4.1 Cripps Plan 4.2 Cabinet Mission 4.3 Mounbattan Plan, Act of Independence

#### **Reference Books :**

	1. Bipan Chandra	- Communalism in Modern India
	2. Desai A.R.	- Peasant Struggles in India
	3. Mujumdar R.C.	- History of Freedom Movement in India
	4. Sarkar S.C. & Gupta K.K.	- Modern Indian History
	5. Ranade M.G.	- Religious and Social Reforms
	6. Shrinivas M.N.	- Social Change in Modern India.
	7.Heimsath C.M.	-Indian Nationalism and Hindu Social Reforms
	8. Ghosh A.	- Indian Economy
	9. Singh V.B.	- The Economic History of India
	१० जावडेकर आचार्य	- आधुनिक भारत
	११. डॉ.वैद्य सुमन, डॉ.कोठेकर शांत	ा- आधुनिक भारताचाइतिहास
	१२. कोलारकर ब.गो.	- आधुनिक भारताचाइतिहास
	9३. ढवळे, बारगळ	- अर्वाचीन भारत
	१४. गैरोला वाचस्पती	- भारतीय संस्कृती औरकला
	१५. नि.सी.दिक्षीत	<del></del>
	१६. डॉ.दांडगे मनोरमा	- भारताचाइतिहास (१५२६ ते १९४७)
	A. आचार्य धनंजय	- भारताचाइतिहास (१५२६ ते १९४७)
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Appendix-A

#### Syllabi of B.A. Final Semester-V & VI (Implemented from 2019-2020 Session)

#### Instructions for Both Semester V & VI of B.A. Final

- Students will have to Solve TWO (2) Long Questions from any Two of Five Units. Each of these Long Question carries SIXTEEN (16) Marks. Internal Choice is available from same unit.
- (2) Students will have to Solve EIGHT (8) Short Questions in all choosing four questions from each of Two units out of Total Five Units. Each of these Short Question Carries FOUR (4) Marks. Internal Choice is available from same unit.
- (3) Students will have to Solve SIXTEEN (16) Multiple Type Questions from all the Five Units. Each of these Short Question Carries ONE (1) Mark. No Internal Choice is available.

#### **Distribution of Internal 20 Marks**

(1) TEN (10) Marks to be awarded by the Teacher concerned on ASSIGMMENT submitted by the Student. ASSIGNMENT is based on the syllabus.

(2) TEN (10) Marks to be awarded by the Teacher concerned on student's performance in VIVA-VOCE which is based on the syllabus.

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#### Syllabi of B.A. Final Semester-V History of Modern World (From 1780 to 1920 AD)

Time : 3 Hours)

#### **Objectives** -

Marks : 80 Int.Ass. :20

The students should have an integrated view of the process of change in the Society, Economy and Civilization in the contest of Political Developments.

Notes : 1) One Question or a set of Questions from each unit will have to be answered.

- 2) Five Periods per week shall be provided for instructions.
- 3) Facilities of excursion tours to students are made available once a year, preferably in Diwali Vacation. The Financial Burden shall be borne by the students only.

#### Unit-I

- 1. French Revolution -Crisis of the ancient regime, Intellectual currents, Participation of Social Classes.
- 2. Emergence of NepoleanBonaporte Expansion, Consolidation and downfall.
- 3. Congress of Vienna (1815 AD).

#### Unit-II

- 1. Making of the Nations States of Italy and Germany.
- 2. Foreign Policy of Germany under Bismark.
- 3. Germany under Kaiser William II.

#### Unit-III

- 1. Triple Entente (1907 AD).
- 2. Russo Japanese War (1904 05 AD)
- 3. First World War Causes and Effects.
  - A) The Fourteen Points of President Wilson.

#### Unit-IV

- 1. The Entry of the U.S.A. into First World War.
- 2. Concept of Communism, Capitalism, Socialism.
- 3. The Russian Revolution (1917 AD) Causes and Effects

#### Unit-V

- 1. Paries Peace Conference
- Versailles Treaty (i) Sent Germane Treaty NewliePreaty, (ii) Trian on Treaty & (iii) Sevres Treaty.
- 3. The League of Nation's Aims, Objectives, Structure, Achievement and Failure.

#### **Books Recommended :-**

- 1. Europe since Nepolean
- 2. Bismark
- 3. From Bismark to the world war
- The Struggle for Mastery of Europe 1848-1948
- 5. European History since 1870
- 6. Contemporary Europe
- 7. The first world war
- 8. Europe M. 19th & 20th Century(Hmdi also
- 9. Europe since 1870
- 10. The Rise of Modern Europe
- 11. History of the league of Nations
- 12. Europe between th World War
- 13. Europe since 1919
- International Relations (Between the two wars 1920-1939
- 15. Fascism M. gtaloy
- 16. History of the United States
- 17. Origins of the cold war
- 18. Soviet Foreign Policy after Stalin
- 19. International Politics
- 20. International Politics
- 21. Europe in Nineteenth Century
- २२.आधुनिक युरोप काइतिहास
- २३.आधुनिक युरोप
- २४.आधुनिककालकाइतिहास
- २५.आधुनिककालकाइतिहास
- २६.आधूनिककालकाइतिहास
- २७.आधुनिक युरोप
- २८.आधुनिक जगाचा इतिहास
- २९.आधुनिक जगाचा इतिहास
- ३०.अर्वाचिन युरोप
- ३१.अमेरिकेचाइतिहास
- ३२.आधुनिक जगाचा इतिहास
- ३३.विश्व काइतिहास
- ३४.आधुनिक यूरोप
- ३५.आधुनिक युरोप काइतिहास
- ३६.आधूनिक जग भाग १,२,३
- ३७.युद्धोत्तर जग
- ३८.आधुनिक जग

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- Thomson David
- Robertson G.
- Brandenhurg E.
- Taylor A.J.P.
- Benns
- Hughes H.S.
- Taylor A.J.P.
- Lipsons. E.
- Zable S.H.
- Langer, William (ed)
- Walters F.P. - Carr. E.H.
- Langsam
- Carr. E.H.
- Trannanbaum. E. - Current, W.
- Fleruing D.G.
- Dallm D.J.
- Schuman
- Paimer&Parkins.
- E. Lipson
- गुच जी.पी.
- साउथगेट जी.पी.
- केटलबी.
- शर्मा, डॉ.मथुरालाल
- विद्यालंकार सत्यकेत्
- शर्मा बी.एस.
- ए.एस. अल्सेकर
- कोलारकर, ज्ञ.गो.
- केशट्टीवार
- वक्काणी, डॉ. नि.आ.
- गायकवाड, कदम आणिथोरात
- खुराणीडॉ. के.एल.
- मेहता, डॉ. बी.एन.
- महाजन व्ही.डी.
- डॉ. सुमन वैद्य
- य.ना. कदम
- पी.जी. जोशी

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# SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE - 2019 - PART TWO - 255

Syllabi of B.A. Final Semester-VI History of Modern World (From 1921 to 1965 AD)

Time : 3 Hours)

Marks : 80 Int.Ass. : 20

# **Objectives** -

The students should have an integrated view of the process of change in the Society, Economy and Civilization in the contest of Political Developments.

Notes : 1) One Question or a set of Questions from each unit will have to be answered.

- 2) Five Periods per week shall be provided for instructions.
- 3) Facilities of excursion tours to students are made available once a year, preferably in Diwali Vacation. The Financial Burden shall be borne by the students only.

#### Unit-I

- 1. Rise of Fascism in Italy-
  - Musolini and his Internal & Foreign Policies.
- 2. Rise of Nazism in Germany -
- Hitler and his Internal & Foreign Policies
- 3. Rise of Stalin in Russia Internal Policies of Stalin.
- 4. The Great Economic Depression (1929 A.D.) and its impact.

#### Unit-II

- 1. Causes and Result of the Second World War.
- 2. Entry of the U.S.A. into the Second World War.
- 3. Diplomatic Conferences during the War Period (1935-1945 A.D.)

#### Unit-III

- 1. United Nations Organization :- Aims, Structure, Achievement and Failure.
- 2. The Emergence of the U.S.A. as World Power, Causes and Effects.
- 3. The Emergence of the U.S.S.R. as World Power, Causes and Effects.

#### Unit-IV

- 1. Post War World The Cold War Causes and effect, Origins and Meaning
- 2. Truman Doctrine, The Marshal Plan, Point Four Programme.
- 3. Military Alliances The NATO and Warsaw Pact, the SEATO, The CENTO.

#### Unit-IV

- 1. The Suez Crisis The Eisenhower Doctrine,
- European Unity and Disunity, European Common Market The Common Wealth of Nations -The Berlin Crisis of 1958, Quba Crisis.

# **Books Recommended :-**

- 1. Europe since Nepolean
- 2. Bismark
- 3. From Bismark to the world war
- 4. The Struggle for Mastery of Europe 1848-1948
- 5. European History since 1870
- 6. Contemporary Europe
- 7. The first world war
- 8. Europe M. 19th & 20th Century (Hmdi also
- 9. Europe since 1870
- 10. The Rise of Modern Europe
- 11. History of the league of Nations
- 12. Europe between th World War
- 13. Europe since 1919
- 4. International Relations (Between the
- two wars 1920-1939

- Thomson David
- Robertson G.
- Brandenhurg E. - Taylor A.J.P.
- Benns
- Hughes H.S.
- Taylor A.J.P.
- Lipsons. E.
- Zable S.H.
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- Langsam - Carr. E.H.

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# Syllabi for B.A. Part-I Semester-I Subject : Political Science (Implemented From 2017-2018 Session)

# Indian Constitutional Provisions and Local Self Government

Marks : Theory – 80 In.Ass – 20

#### Unit-I

- i) Salient features of the Indian Constitution.
- ii) Preamble Nature and Importance.
- iii) Fundamental Rights Types and Importance.

# Unit-II

- i) Directive Principles of State Policy Nature and Importance
- ii) Fundamental Duties.
- iii) Methods to acquire Citizenship.

# Unit-III

- i) President of India : Election Process, Powers and Function.
- ii) Vice President : Role and Function.
- iii) Prime Minister Appointment, Role and Function.

# Unit-IV

- i) Parliament : Lok Sabha and Rajýa Sabha Structure and Powers
- ii) Speaker of Lok Sabha Powers & Function.

#### Unit-V

- i) Structure of Indian Judiciary. Types of Court, Characteristics of Indian Judiciary
- ii) Supreme Court of India Structure, Powers and Function
- iii) High Court Structure, Powers and Function.

Distribution of Internal Marks

# **Reference Books** :

1. D.D. Basu : "An introduction to the Constitution of India : New Delhi Prentice Hall, 1994

10 Mark

- 2. Joshi, G.N. : The Constitution of India
- 3. PyLee, M.V. : Indian Constitution
- 4. D.C. Gupta : Indian Government and Politics : Vikas Publication, Bombay.
- 5. प्रा.बी.टी. देशमुख : भारतीय संविधान
- 6. डॉ.प.ल. जोशी : भारतीय संविधान
- 7. प्रा.भ.श्रृंगारपुरे : भारतीय संविधान
- 8. प्रा.भ.ग.घांगरेकर : भारतीय राज्यघटना, स्वरूप आणि राजकारण
- 9. डॉ.भा.ल. भोळे : भारतीय राज्यव्यवस्था.
- 10. प्रा.राम मुठाळ : भारतीय राजकीय व्यवस्था, अंशुल प्रकाशन, नागपूर.
- 11. प्रा.रा.ज. लोटे : भारतीय शासन आणि राजकारण, पिंपळापूरे ॲन्ड कं. पब्लीशर्स.
- 12. प्रा. बी.टी. देशमुख : भारतीय संविधान व स्वातंत्र्य आंदोलन.
- 13. भारताचे शासन आणि राजकारण : प्रा.शे.हाशम, डॉ. जोगेंद्र गवई.
- 14. भारतीय शासन आणि राजकारण : प्रा.डॉ. अल्का देशमुख
- 15. भारतीय राजकारणांची संवैधानिक मिमांसा : ले. डॉ. वामन गवई.
- 16. भारतीय संविधान व शासन व्यवस्था : लेखक डॉ. शांताराम चव्हाण
- 17. भारतीय संविधानात्मक तरतुदी आणि वास्तव : लेखक डॉ. सुभाष गवई
- 18. भारतीय राज्यव्यवस्था : ले. डॉ. शांताराम चव्हाण व डॉ. सुभाष गवई, वेदमुद्रा प्रकाशन, अमरावती

- 19. महाराष्ट्रातील पंचायत राजची वाटचाल
- ः ले. डॉ.सुभाष गवई, प्रशांत विघे व प्रा. सुनिल चकवे, वेदमुद्रा प्रकाशन, अमरावती.
- भारतीय संविधानिक तरतुदी आणि स्थानिक स्वशासन
- : डॉ.शांताराम चव्हाण, वेदमुद्रा प्रकाशन, अमरावती

# Semester-II (B.A.-I)

Indian Constitutional Provisions and Local Self Government

Theory: 80 Int.Ass.: 20

- Unit-I i) Election Commission of India : Structure, Function and Powers.
  - ii) Electoral Reform, Recognition of Political Parties.
  - iii) Eligibility of Voter Lok Sabha, Vidhan Sabha and Vidhan Parishad.

# Unit-II State Executive

- i) Governor : Appointment, Powers and Role.
- ii) Chief Minister : Appointment, Role and Function
- iii) Council of Ministers : Formation, Role and Function

# Unit-III State Legislature of Maharashtra :

- i) Legislative Assembly (Vidhan Sabha) Structure, Powers and Function. Speaker of Vidhan Sabha – Powers and Function
- ii) Legislative Council (Vidhan Parishad) Structure, Powers and Function

# Unit-IV Local Self Government of Maharashtra :

- i) Types of Local Self Government (Urban and Rural)
- ii) Municipal Corporation Structure and Power
- iii) Gram Panchayat Structure and Function.
- iv) Gram Sabha Structure and Function.

#### Unit-V

- i) Women's Participations in Panchayati Raj of Maharashtra.
- ii) Nagpur Pact for Sanyukta Maharashtra and its recommendations.
- iii) Right to Information and its Importance



# **Reference** Books :

- 1. D.D. Basu : "An introduction to the Constitution of India : New Delhi Prentice Hall, 1994
- 2. Joshi, G.N. : The Constitution of India
- 3. PyLee, M.V. : Indian Constitution
- 4. D.C. Gupta : Indian Government and Politics : Vikas Publication, Bombay.
- प्रा.बी.टी. देशमुख : भारतीय संविधान
- डॉ.प.ल. जोशी : भारतीय संविधान
- 7. प्रा.भ.श्रुंगारपूरे : भारतीय संविधान
- प्रा.भ.ग.घांगरेकर : भारतीय राज्यघटना, स्वरूप आणि राजकारण
- 9. डॉ.मा.ल. भोळे : भारतीय राज्यव्यवस्था.
- 10. प्रा.राम मुठाळ : भारतीय राजकीय व्यवस्था, अंशुल प्रकाशन, नागपूर.
- 11. प्रा.रा.ज. लोटे : भारतीय शासन आणि राजकारण, पिंपळापूरे ॲन्ड कं. पब्लीशर्स.
- 12. प्रा. बी.टी. देशमुख : भारतीय संविधान व स्वातंत्र्य आंदोलन.
- 13. भारताचे शासन आणि राजकारण : प्रा.शे.हाशम, डॉ. जोगेंद्र गवई.

# Syllabi for B.A. Part-II Semester-III Subject : Political Science (Implemented From 2018-2019 Session)

Selected Constitutions and International Relations (U.K., U.S.A & China)

-75-

Marks : Theory – 80 In.Ass – 20

- Unit-I i) Salient features of the Constitution of U.K.
  - ii) Historical Background of Crown.
  - iii) Powers of the Crown.
  - iv) Prime Minister Appointment, Role and Function.
  - v) Cabinet Structure and Function

# Unit-II Parliamentary System of U.K.

- i) House of Lords Composition, Powers and Functions (with Reference to Constitutional Reforms Act-2005)
- ii) House of Commons Composition, Powers and Functions
- iii) Role of Opposition and Shadow Cabinet.

Unit-III i) Salient features of the Constitution of U.S.A.

- ii) President Election Process, Powers and Functions.
- iii) Cabinet Structure and Functions.
- iv) Vice-President Election Process, Powers and Functions.

# Unit-IV Legislature of U.S.A. - Congress.

- i) \* Senate Composition, Powers and Functions.
- ii) House of Representative Composition, Powers and Functions
- iii) Supreme Court Composition, Powers and Functions.

Unit-V South Asian Association for Regional Co-operation (SAARC)

- i) Objectives
- ii) Structure
- iii) Function.



# **Reference Books** :

- The American government System. 1) Griffith - International Organization 2) Norman Hill - Comparative Study of Government and Politics. 3) Khanna V.W. - Red China Today. 4) Show, Edgas 5) कुळकर्णी गो.मा. - निवडक संविधाने - प्रमुख देशांची शासन पद्धती. डॉ.शा.कृ.भोगले - प्रमुख देशोंकी शासन प्रणीलीयॉ. 7) शर्मा, ब्रिजमोहन - चार निवडक राज्यघटना 8) पोलदार के.ए. - चार घटनांचा तौलनिक अभ्यास. 9) पाटील बी.बी. - निवडक आधुनिक राजकीय व्यवस्था 10) प्र.ग.मुळे 11) प्रा.तिजारे, प्रा.इंदापवार, प्रा.कानेटकर - आधुनिक राजकीय व्यवस्था - आधुनिक राजकी. व्यवस्था. 12) प्रा. रा.ज. लोटे 13) डॉ.टी.डी.मुदलीयार, डॉ.ए.एस.गाडे - चीनची राजकीय व्यवस्था. - तुलनात्मक शासन आणि राजकारण. 14) डॉ.श्रीराम येरणकर - तुलनात्मक शासन व राजकारण. 15) प्रा. रा.ज. लोटे \*\*\*\*\*

# Reading List :

- 1. Baumgartner S.R, Crothers M.K. (2009) Positive Psychology: Pearson Education.
- Baumgardner, S.R. Crothers M.K. (2010). Positive psychology. Upper Saddle River, N.J.: Prentice Hall.
- Carr, A. (2004). Positive Psychology: The science of happiness and human strength.UK: Routledge. Peterson, C. (2006). A Primer in Positive Psychology. New York: Oxford University Press.
- Seligman, M.E.P. (2002). Authentic Happiness: Using the New Positive Psychology to Realize Your Potential for Lasting Fulfillment. New York: Free Press/Simon and Schuster.
- Snyder, C.R., &Lopez,S.J.(2007). Positive psychology: The scientific and practical explorations of human strengths. Thousand Oaks, CA: Sage.
- Snyder, C. R., & Lopez, S. (Eds.). (2002). Handbook of positive psychology. New York: Oxford University Press.
- 7. Vishwanath Shinde (2016) सकारात्मक मानसशास्त्र (Positive Psychology). Dimond Publication.
- Savdekar S. Labhane C & Sontakke (2013). सकारात्मक मानसशास्त्र (Positive Psychology). Prashant Publication Jalgaon.
- 9. Savdekar S. Labhane C & Sontakke (2018). सकारात्मक मानसशास्त्र (Positive Psychology). Prashant Publication Jalgaon.

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#### Semester-IV (B.A.-II)

# Selected Constitutions and International Relations (U.K., U.S.A & China)

Marks : Theory - 80 In.Ass-20

- Unit-I i) Salient features of the Constitution of China (1982).
  - ii) National People Congress (NPC) Composition, Powers and Functions.
  - iii) Standing Committee Composition, Powers and Functions.
- Unit-II i) President of China Appointment, Role and Functions
  - ii) State Council of China Composition, Powers and Functions
  - iii) Prime Minister of China Appointment, Role and Functions.
  - iv) Role of Communist Party in China.

# Unit-III United Nations Organization (UNO) :

i) Charter

ii) Aims and Basic Principles.

iii) General Assembly of UNO - Composition and Functions.

Unit-IV i) Security - Council of UNO - Composition and Functions ii) Secretary General - Appointment, Powers and Functions. -iii) International Court of Justice - Composition and Powers.

Unit-V Indo-China Relations - Major Issues :

- i) Tibet Dispute.
  - ii) Role of China about India in UNO.
- iii) Impact of Chinese goods and market on Indian Economy.

Distribution of Internal Marks

10 Mark

0.Mark

- Comparative Study of Government and Politics.

Group Discussion ir) Project

# **Reference Books** :

- 1) Griffith
- 2) Norman Hill
- 3) Khanna V.W.
- 4) Show, Edgas
- 5) कुळकर्णी गो.मा. 6) डॉ.शा.कृ.भोगले 7) शर्मा, ब्रिजमोहन
- 8) पोतदार के.ए. 9) पाटील बी.बी. 10) प्र.ग.मुळे

12) प्रा. रा.ज. लोटे

15) प्रा. रा.ज. लोटे

14) डॉ.श्रीराम येरणकर

- प्रमुख देशोंकी शासन प्रणीलीयॉ. - चार निवडक राज्यघटना - चार घटनांचा तौलनिक अभ्यास. - निवडक आधुनिक राजकीय व्यवस्था 11) प्रा.तिजारे, प्रा.इंदापवार, प्रा.कानेटकर- आधुनिक राजकीय व्यवस्था

- Red China Today.

- निवडक संविधाने

- आधुनिक राजकी. व्यवस्था. 13) डॉ.टी.डी.मुदलीयार, डॉ.ए.एस.गाडे - चीनची राजकीय व्यवस्था.
  - तुलनात्मक शासन आणि राजकारण.

- The American government System.

- International Organization

- प्रमुख देशांची शासन पद्धती.

- तुलनात्मक शासन व राजकारण.

# Draft Syllabus of B.A. Part-II Semester-III & IV Subject : Statistics

-77-

The examination in Statistics in BA Part-II Semester-III and Semester-IV will Comprise of One Theory Paper each, Internal Assessment and Practical Examination .Theory Paper will be of Three Hours Duration and Carry 50 Marks. The Internal Assessment will be of 20 Marks and Practical Examination will be of 30 Marks.

The Distribution of Marks will be as Follows :

Theory Examination	Multiple Choice Questions Descriptive Type Questions	: 10 Marks : 40 Marks.
	Total	: 50 Marks.
Practical Examination	Practical Record Duly Certified	: 05 Marks.
	Practical Problems	: 20 Marks.
	Viva-Voce	: 05 Marks.
	Total	: 30 Marks.
Internal Assessment	Assignments	
	(Home Assignments/Field Survey)	: 10 Marks.
	Viva-Voce	: 10 Marks.
	Total	: 20 Marks.

The Syllabus of Statistics in Semester-III and Semester-IV is based on the basis of Five Theory Periods Per Week and Six Practical Periods (2 Practicals of 3 Periods Each) Per Batch Per Week.

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# Draft Syllabi of BA Part-II Semester-III Statistics-S3 (Implemented from 2018-2019 Session)

Time: 3 Hrs. for Theory 3 Hrs. for Practical / Batch

# Unit-I Study of Bivariate Data :

- 1.1 Meaning of Bivariate data, bivariate frequency table, covariance,
- 1.2 Correlation: Meaning, example, positive, negative and perfect correlation.
- 1.3 Measurement of correlation: Scatter diagram, Karl Pearson's coefficient of correlation, its limits properties, assumptions.
- 1.4 Rank Correlation: need, meaning, formula and limits.

# **Unit-II Regression Analysis :**

- 2.1 Concept, definition of Regression, principle of least square regression.
- 2.2 Lines of regression, fitting of regression X on Y, Y on X.
- 2.3 Coefficients of regression, their properties.
- 2.4 Partial correlation: concept, formula of partial correlation coefficient, its limits.
- 2.5 Multiple correlation: concept, formula of multiple correlation coefficient, limits and properties.

# Unit-III Random Variable and Mathematical Expectation :

- 3.1 Random variable- discrete, and continuous with example.
- 3.2 Probability mass function and probability density function.
- 3.3 Mathematical expectation-addition and multiplication theorem of expectation.
- 3.4 Simple problems on mathematical expectation.

# **Unit-IV Study of Theoretical Distribution Function :**

- 4.1 Introduction of distribution function, Burnoulli distribution.
- 4.2 Binomial distribution- definition, mean and variance (without derivation), examples of binomial distribution.

Total Marks : 100 Theory : 50 Practical : 30 Int.Ass. : 20 -53-

# Syllabi for B.A. Final Semester-V Modern Concepts and Policy in Politics (Implemented From 2019-2020 Session)

Marks : Theory – 80 In.Ass - 20

# Unit-I Leadership:

- a) Meaning of Leadership.
- b) Factors of Leadership.
- c) Role of Leadership

# Unit-II Reservation :

- a) Meaning and Nature of Indian Reservation Policy.
- b) Reservation in Indian Parliament.
- c) Reservation and Politics in India.

# Unit-III Nationalism :

- a) Meaning and Nature of Nationalism. -
- b) Factors of Nationalism -
- c) Present Status of Indian Nationalism.

# Unit-IV Communalism :

- a) Meaning of Communalism.
- b) Role of Communalism in Indian Politic s.
- c) Present Status of Communalism in India.

# Unit-V Terrorism :

- a) Meaning and Definition of Terrorism.
- b) Kinds of Terrorism
- c) The Acts for Prevention of Terrorism in India.

Internal Assessment of Marks (20 Marks)

Group Discussion Re	lated to Syllabus
Paper Presentation O	R P.P.T Presentation
Related to Syllabus	

# 10 Marks 10 Marks

# **Books Recommended :**

1)	पवार, प्रकाश	- भारतीय राजकारण आणि नेतृत्वाची वाटचाल, डायमंड पब्लीकेशन,
		नारायणपेठ, पुणे, जानेवारी-२०१४
२)	देशमुख, सुधाकर	- राष्ट्र आणि राष्ट्रवाद (संकल्पना आणि विकास), पद्यगंधा प्रकाशन,
		एरंडवन पुणे, मार्च – २००९.
3)	डॉ पळशीकर, सुहास	- समकालीन भारतीय राजकारण (कॉंग्रेस वर्चस्व ते हिंदू जमातवाद)
8)	मोदि, महावीरप्रसाद व	- भारतीय राजनीती की प्रकृतियाँ (Trends of Indian Politics) कॉलेज बुक
	डॉ. सरोज मोदि	डेपो प्रकाशन, जयपूर, १९९९.
4)	डॉ.जैन, पुखराज व	- भारतीय शासन एवं राजनीती, साहित्य भवन प्रकाशन, २०१२.
	डॉ. पडीयार, बी.एल.	
ξ)	त्रिपाठी, विपीनकुमार	- जनमुखी राष्ट्रवाद, पद्भाव मिशन प्रकाशन, नई दिल्ली; जूलाई-२००२.
(9)	डॉ.शर्मा, हरिओन	- ग्रामिण नेतृत्व के उभरते परिमान, अर्जून पब्लीशिंग हाऊस, दरियागंज,
		नई, दिल्ली, प्रथम संस्करण २००४.
8)	डॉ. भोळे, भारकर लक्ष्मण	1- भारतीय गणराज्याचे शासन आणि राजकारण, पिंपळापूरे ॲन्ड कं.
		पब्लीशर्स, नागपूर ,२००३.
9)	आंबेडकर, बाबासाहेब	- पाकिस्तान अर्थात भारताची फाळणी, रघुवंशी प्रकाशन, पुणे.

- १०) चव्हाण, प्रविण व दिवाकर, वैशाली
- ११)काणे, पा.वा.
- १२) डॉ.स्भाष गवई, डॉ. आर.एन. फुलारी, प्रा.विनय कोडापे
- 9३)डॉ. के.एच.वासनिक (संपादक)
- 14) Dr. Hegde, M.D.
- 15) Dr. Sharma, Harish
- 16) Dr. Suryavanshi, P.H.
- 17) Asirvadam, E.
- 18) Johari, J.C.

- भारतीय राष्ट्रवाद : सिध्वांत आणि व्यवहार, प्रविण चव्हाण प्रकाशन, पुणे 2000.
- धर्मशास्त्राचा इतिहास, सारांश ग्रंथ, महाराष्ट्र साहित्य मंडळ, मुंबई.
- दहृशतवादाचे विविध आयाम, वेदमुद्रा प्रकाशन, अमरावती.
- आंतकवाद के विविध आयाम, गायत्री प्रकाशन, रिवा (मध्यप्रदेश), २६ जानेवारी, २०११.
- Backward Class Movements in india, Jawahar Publishers, New Delhi First Edition- 2013.
- Future Tense in Naxal Fight, Aarti Prakashan, New Delhi, 2011.
- Recent Trends in Indian Politics, Gaurav Publication, Kanpur-2016.
- Political Theory, The Uper India Pub. House, Lucknow, 1961.
- Principles of Modern Political Science, Sterling Pub., New Delhi-1989.
- 19) Dr. Shriram Yerankar Secularism in India, Theory and Practice, Adhyayan Pub., Delhi. 2006.

# Draft Syllabi for B.A. Final Semester-VI Concepts of Western and Indian Thinkers

Marks: Theory-80 In.Ass - 20

# Unit-I Concept of State :

- a) Aristotle Classification of State.
- b) M.K. Gandhi Concept of Ramrajya.

# Unit-II Concept of Democracy :

a) Walter Bagehot - Concept of Democracy

- b) Abraham Lincoln Concept of Democracy
- c) Dr. B.R. Ambedkar Parliamentary Democracy.

# Unit-III Concept of Nationalism :

- a) Niccolo Machiavelli Concept of Nationalism
- b) Swami Vivekananda Concept of Nationalism
- c) V.D. Sawarkar Concept of Nationalism

# Unit-IV Socialism :

- a) Karl Marx Concept of Socialism
- b) Pt. Jawaharlal Nehru Concept of Socialism
- c) Ram Manohar Lohiya Concept of Socialism

# Unit-V Behaviouralism and Sovereignty :

- a) David Eston Concept of Behaviouralism
- b) Gabrial Almond Concepts of Post Behaviouralism
- c) John Austin Concept of Sovereignty.

# Internal Assessment of Marks (20 Marks)

- 1) Bibliography Related to Syllabus
- 2) Home Assignment (Any One) Related to Syllabus

10 Marks 10 Marks

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# Syllabi of B.A. Part-I Semester-I Introduction of Sociology (Implemented from 2017-18)

Unit-I

- A) Sociology : Its meaning, Nature & Scope of Sociology
   B) Subject Matter of Sociology, Relationship of Sociology with other Social Science
  - Anthropology History, Political Science & Economic
- Unit-II
- A) Sociological Perspective :
- 1) Structural Functional 2) Dialectic
- B) Sociology as a Applied Science :
  - 1) Sociology & Social Problems
  - 2) Sociology & Social Policy
  - 3) Sociology & Development
  - 4) Sociology & Professions.

## Unit-III Basic Concept :

- A) Society Meaning & Characteristics
- B) Community : Meaning & Characteristics
- C) Social Groups: Meaning of Types of Groups
- D) Social Structure : Meaning & Elements

# Unit-IV A) Status & Role

- B) Social Institution : Meaning & Characteristics
- C) Social Norms Meaning & Characteristics Importance of Norms
- D) Value : Meaning & Importance

# Unit-V

# Social Control :

- A) Meaning of Social ControlB) Type of Social Control

# Social Conformity & Deviation

- A) Meaning & Causes of Conformity
- B) Meaning & Causes of Deviation

# **Reference Books** :

# 1) Harlampos M. - Sociology : Themes & Perspective, New Delhi, Oxford University Press. 1998

- 2) Johnson Harry M. 1995 Sociology : a Systematic Introduction, New Dehli Aiiled Publisher.
- 3) Vidyabhushan & D.R. Sachadeo Introduction to Sociology
- 4) Kingsley Davis : Human Society
- ५) समाजशास्त्र परिचय : रा.ज. लोटे, ए.डी. चौहाण, पिंपळापुरे ॲण्ड पब्लिशर्स, नागपूर
- ६) समाजशास्त्राची मुलतत्त्वे
- ः प्रा.भाऊ दायदार, अंशुल प्रकाशन, नागपूर
- ः डॉ.प्रदिप आगलावे, साईनाथ प्रकाशन, नागपूर
- ८) समाजशास्त्र परिचय ः डॉ.डि.एस. मनवर, अरूणा प्रकाशन, लातुर
- ९) भारतीय सामाजिक संस्था
- १०) समाजशास्त्र

७) समाजशास्त्र

ः डॉ.जिताग्ड् ः विलास संगवे

# Semester-II Introduction of Sociology

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Unit I	Individual & Society : (A) Culture : Meaning and Characteristics, Elements of Culture, Ethnocentrism (B) Socialization: Meaning and Stages, Agencies of Socialization.
Unit-11	<ul> <li>Social Institutions:</li> <li>A) Family : Meaning, Characteristics &amp; Functions of Family</li> <li>B) Marriage : Meaning and Characteristics, Origin of Marriage, Changing Nature of Marriage.</li> </ul>
Unit-[[[	<ul> <li>A) Religion: Meaning &amp; Functions of Religion, Origin of Religion</li> <li>B) Political System : Meaning of Political System, Concept of Domination and Type of Authority.</li> </ul>
Unit-{V	Social Movement : (A) Meaning & Characteristics of Social Movement (B) Type of Social Movement.

Unit-V

Social Stratification & Social Change :

(A) Meaning of Social Stratification, Function & Significance

(B) Meaning of Social Change, Factors of Social Change

(C) Type of Social Change.

# **Reference Books** :

- Harlampos M.: Sociology: Themes & Perspective, New Delhi, Oxford University Press. 1998
   Johnson Harry M. ? 1995 Sociology: a Systematic Introduction, New Dehli Aiiled Publisher.
- 3) Vidyabhushan & D.R. Sachadeo : Introduction to Sociology
- 4) Kingsley Davis : Human Society
- भ) समाजशास्त्र परिचय : रा.ज. लोटे, ए.डी. चौहाण, पिंपळापुरे ॲण्ड पब्लिशर्स, नागपूर
- ६) समाजशास्त्राची मुलतत्त्वे
- 4/ 11/11/11/11/34
- ७) समाजशास्त्र
- ः प्रा.भाऊ दायदार, अंशुल प्रकाशन, नागपूर ः डॉ.प्रदिप आगलावे, साईनाथ प्रकाशन, नागपूर
- ८) समाजशास्त्र परिचय
  - ः डॉ.डि.एस. मनवर, अरूणा प्रकाशन, लातुर था ः डॉ.जिताग्ड
- ९) भारतीय सामाजिक संस्था
  - विला
- १०) समाजशास्त्र
- ः विलास संगवे
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# Syllabi of B.A. Part-II Semester-III Social Problems in India (Implemented from 2018-19)

-69-

# Theory : 80 Int.Ass. : 20

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Unit-I	<ul> <li>(A) Meaning of Social Problems, Nature of Social Problems,</li> <li>(B) Perspectives on Social Problems : <ol> <li>Disorganization</li> <li>Anomie &amp; Valuation Perspective.</li> </ol> </li> </ul>
Unit-II	<ul> <li>Familiar Problems :</li> <li>(A) Dowry : Meaning of Dowry, Causes of Dowry, Effect of Dowry</li> <li>(B) Domestic Violence against Women</li> <li>(C) Divorce : Causes of Divorce, Social Implications Related Legal Provision Effect of Divorce on Women</li> </ul>
Unit-III	<ul> <li>Population Problems in India :</li> <li>(A) Characteristics of Indian Population, Population Explosion in India, Characteristics of Population Explosion</li> <li>(B) Causes of Population, Effect of Population Explosion</li> <li>(C) Population Policy in India</li> </ul>
Unit-IV	Rural Contemporary in India :
	(A) Migration : Its Causes & Consequences
-	<ul> <li>(B) Unemployment : Causes &amp; Consequences</li> <li>(C) Farmers Suicide &amp; its Impact on Family</li> </ul>
Unit-V	Problems of Alcoholism : (A) Meaning of Alcoholism, Causes of Alcoholism, Effect of Alcoholism on Family (B) Drug Addiction : Nature & Impact of Drugs Abuse (C) Causes and Effects of Drug Addiction.
Reference Bo	oks :
<ol> <li>Bose N.K. 1</li> <li>Duby S.D.</li> <li>Lewis Osea</li> <li>Shama Ursu</li> <li>Girish Dittr</li> <li>Madan G.R</li> <li>Memoria C</li> <li>खडसे प्रा.श</li> <li>लोटे प्रा.सा.</li> <li>लोटे प्रा.सा.</li> <li>की किर्दक डॉ</li> <li>आगलावे</li> <li>प्रा.शेख श</li> <li>आ.शेख श</li> <li>डॉ. सुधा</li> <li>अडुजा रा</li> <li>खेरनार ड</li> </ol>	1990- Society in India, New Delhi, National Book Trust.r 1986- Culture of Poverty, Scientific American Vol. II & IV, Now. 4PP 10.Illa 1983- Women Work & Doherty in North – West India, London Tavistockner- Social Problems Times of India Press India Social Problems.B Social Problems & Disorganization in India.HI.afl.: भारतीय सामाजिक समस्या, मंगेश प्रकाशन,ज. चौहाण, ए.डी.: भारतीय सामाजिक संरचना आणि सामाजिक समस्या, पिंपळापुरे ॲण्ड कंपनी पब्लिशर्स, नागपूरर्वेहली: भारत में सामाजिक संरचना आणि समस्या, श्री साईनाथ प्रकाशन, नागपूरडॉ.प्रदिप: भारतीय सामाजिक संरचना आणि समस्या, श्री साईनाथ प्रकाशन, नागपूरबिबर: पालकर, सामाजिक समस्या, संगम प्रकाशन, नागपूर, काळवाते मम: भारतीय सामाजिक समस्या,
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# Unit-IV

- 4.1 Fashion Definition and Meaning
- 4.2 Fashion Principles and Fashion Cycle 4.3 Pattern Making Techniques and Grading Techniques
- 4.4 Fashion Marketing

# Unit-V

- 5.1 Traditional Costumes- History & Theory
- 5.2. Maharashtra and Kashmir
- 5.3 Panjab and Gujrat
- 5.4 Kerala and Rajstan

# Internal 4

Assignment & Seminar on Traditional Costumes (Any One)
 Visit to Boutique or Exhibition and Report on / Demo related to

# + TO Viarks 10 Marks

# Class work

Sample OI drafting Collars / sleeves / pleats (any two)

# Practical

Distribution 30 Marks of Practical

a) Draiting & Details of Cellar & Peeker	-	06 Marks
b) Stitching of Collar & Pocket	-	U6 Marks
c) Class Works	-	10 Marks
D. Record Book	-	05 Marks
cf Viva-Voce	-	03 Mark

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# B.A.Part-II Semester-IV Social Problems in India

-70 -

Theory : 80

Int.Ass. : 20 Current Social Problems in India : Unit-I (A) Meaning, Definition & Types of Corruption (B) Factors Inducing Corruption (C) Measures to Check Corruption Problem of Terrorism & White Collar Crime : Unit-II (A) Meaning of Terrorism, Historical background of Terrorism, Characteristics of Terrorism. (B) Causes of Terrorism in India Problems of Weaker Section in India : Unit-III (A) Problems of Scheduled Caste in India, Causes & Solution (B) Problems of Scheduled Tribe in India, Causes, Solution **Problems Relating to Urbanization :** Unit-IV (A) Slum: Meaning, Causes of Slum, Remedy of Slum (B) Crime: Meaning, Causes measures for Reforming Criminals. (C) Juvenile Diligence : Meaning Causes, Reformation of Delinquents Intolerance, Riot Crime : Unit-V (A) Caste, Religious & Cultural Intolerance (B) Communal Riots, Caste & Ethnic Conflict (C) Violence and Crime against Women & the Marginalized **Reference Books** : - Culture & Society in India, Bombay, Asia Publishing House. 1) Bose N.K. 1967

- Society in India, New Delhi, National Book Trust. 2) Duby S.D. 1990 - Culture of Poverty, Scientific American Vol. II & IV, Now. 4PP 10. 3) Lewis Osear 1986 - Women Work & Doherty in North - West India, London Tavistock 4) Shama Ursulla 1983 - Social Problems Times of India Press. 5) Girish Dittmer - India Social Problems 6) Madan G.R. - Social Problems & Disorganization in India. 7) Memoria C.B. ः भारतीय सामाजिक समस्या, मंगेश प्रकाशन, ८) खडसे प्रा.भा.की. ९) लोटे प्रा.रा.ज. चौहाण, ए.डी. : भारतीय सामाजिक संरचना आणि सामाजिक समस्या, पिंपळापुरे ॲण्ड कंपनी पब्लिशर्स, नागपूर ः भारत में सामाजिक समस्या, इशिका पब्लिशिंग हाऊस, जयपूर, न्यु. देहली 90) किर्दक डॉ.बी.एच. ः भारतीय सामाजिक संरचना आणि समस्या, श्री साईनाथ प्रकाशन, नागपूर ११) आगलावे डॉ.प्रदिप : पालकर, सामाजिक समस्या, संगम प्रकाशन, नागपूर, १२) प्रा.शेख शब्बिर भारतीय सामाजिक समस्या, १३) डॉ. सुधा काळदाते ः भारतीय सामाजिक समस्याएँ, रावत पब्लिकेशन, नई दिल्ली १४) अहुजा राम ः आधुनिक भारतीय सामाजिक समस्या, चिन्मय प्रकाशन, औरंगाबाद १५) खैरनार डॉ. दिलीप

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# Syllabi of B.A. Final (Sociology) Semester-V Social Anthropology (Implemented from 2019-20)

Total Marks : 100 Theory : 80 Int.Ass. : 20

Unit-I	Introduction to Social Anthropology:
	a) Meaning & Definition of Social Anthropology
	b) Why we Study Primitive Society
	c) Characteristics of Primitive Society
	d) Relation of Social Anthropology with other Social Science i) Sociology, ii)
	Economics, iii) History, iv) Psychology & v) Political Science.
	e) Importance of Sociology Anthropology in India
Unit-II	Methods of Social Anthropology :
	a) Field Method : Importance of Field Method Role of Researcher in Field Method
	b) Historical Method, Comparative Method & Functional Method
	c) Importance of Tribal in Social Anthropology
	d) Historical background of Tribal Study
Unit-III	Tribal Society in India :
	a) Geographical Distribution of Indian tribes
	b) Racial Classifications of Indian tribes
	c) Linguistic Classification of India Tribe
Unite-IV	Tribal Religion :
	a) Meaning & Definition of Tribal Religion
	b) Theories of the Origin of the Religion
	c) Beliefs & Rituals
	d) Definition of Magic, Type of Magic
	e) Shaman & Priests
Unit-V	Tribal Economics :
	a) Classification of Tribal Economy
	is a classification of Taibal Facebonny

- b) Meaning & Characteristics of Tribal Economy
- c) Economic Life in Indian Tribal

# **Reference Books** :

- Social Anthropology Development. 1) Mujumdar and Madan - Introductions to Social Anthropology 2) Beals and Hoijar ः सामाजिक मानवशास्त्र (हिंदी) ३) मुखर्जी, रविंद्रनाथ ः सामाजिक मानवशास्त्र (मराठी) ४) वैद्य, नि.स. ः सामाजिक मानवशास्त्र ५) खडकी, डॉ.भा.की. ः आदिवासींचे सामाजिक जीवन ६) संगवे, विलास ः सामाजिक मानवशास्त्र ७) प्रकाश बोबडे व लोटे ः सामाजिक मानवशास्त्र ८) लोटे रा.ज. व चौहाण ए.डी. ः कोरकू आदिवासी सामाजिक विकास आणि शासकीय कल्याणकारी योजना ९) उंबरकर डॉ. डी.ई. ः सामाजिक मानव विज्ञान, सत्यम पब्लीशर, जयपूर 90) चौहान, अ.धो.

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# Books Recommended :

1) Francis W. Coker	- Recent Political Thought, The World Press Pvt. Ltd.
2) George H. Sabne	- A History of Political theory, George G. Harrap & Company Ltd. London.
3) C.L. Wayper	- Political Thought, S.T. Pausl, Honce Warwick Lane London, Ec,4.
4) V.D.Mahajan & R.R.Setl	1 - Recent Political Thought, Premier Publishing Co. Delhi.
5) Radhey Sham Chourasia	- History of Western Political Thought - Volume I & II
6) Suda, J.P.	- History of Political Thought.
७) श्रृंगारपूरे, प्रा. अरविंद	- पाश्चिमात्य राजकीय विचारवंत, श्री मंगेश प्रकाशन, नागपूर
८) भोळे, डॉ.भाष्कर लक्ष्मण	- भारतीय आणि पाश्चिमात्य राजकीय विचार, पिंपळापूरे ॲन्ड के.पब्लीशर्स,
	नागपूर.
९) पार्टील, वा.भा.	- पाश्चिमात्य राजकीय विचारक, श्री मंगेश प्रकाशन, नागपूर
१०) काणे, प्रा. प.सी.,	- काही प्रमुख राज्यशास्त्रज्ञ, विद्या प्रकाशन, नागपूर.
११) पाटील, वा.भा.	- आधुनिक भारतीय राजकीय विचारवंत, प्रशांत पब्लीकेशन्स, जळगांव.
१२) भोळे. डॉ.भास्कर लक्ष्मण	। - भारतीय आणि पाश्चिमात्य राजकीय विचार, पिंपळापूरे ॲन्ड के.पब्लीशर्स,
	नागपूर.
१४) प्रा.घांगरेकर, सी.जी.	- पाश्चात्य आणि भारतीय विचारवंत
१५) डॉ. एस.एस सिंह	- भारतीय राजकीय चिंतन का इतिहास
१६)ओमप्रकाश गाबा	- पाश्चात्य आणि भारतीय राजनीतिक चिंतन का इतिहास.
17) Prof. Danning	- History of Political Thought.
18) Raghukul Tilak	- Indian Political Thought
१९) रघुनंदनलाल व-हाडपूरव	pर - पाश्चात्य आणि भारतीय विचारवंत
२०) डॉ.जैन, पुखराज व	- पाश्चात्य राजनितीक चिंतनका इतिहास
डॉ. पडीयार, बी.एल.	
२१) कृ.दि. बोराडकर	- पाश्चिमात्य व भारतीय राजकीय विचारवंत.
२२) येरणकर, श्रीराम आणि	- राजकीय सिध्वांत आणि राजकीय विचार, श्री साईनाथ प्रकाशन, नागपूर.
डॉ.देवगांवकर, एस.जी.	
23) Verma, S.P.	- Modern Poliltical Theory, Vikas Pub., House, New Delhi - 1975.

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- 57-

# Semester-VI Social Anthropology (Sociology)

Total Marks : 100 Theory : 80 Int.Ass. : 20

Unit-I	<ul> <li>Tribal Social Life :</li> <li>a) Marriage (i) Meaning &amp; Characteristics of Marriage (ii) Origin of Marriage Type of Marriage (iii) Ways of Acquiring Mates in Tribal Society</li> </ul>
Unit-II	<ul> <li>a) Family (i) Definition, Elements &amp; Characteristics of Family.</li> <li>ii) Theories of Origin of Family Type of Family</li> <li>b) Clan : (i) Meaning &amp; Type of Clan (ii) Characteristics of Clan and Functions of Clan</li> </ul>
Unit-III	<ul> <li>a) Totemism : (i) Meaning &amp; Characteristics of Totemism (ii) Theories of Origin of Totem (iii) Importance of Totem</li> <li>b) Dormitory System : <ul> <li>i) Daily life of Dormitory</li> <li>ii) Function of Dormitory</li> <li>iii) Origin of Dormitory</li> <li>iv) Present Position of Dormitory</li> </ul> </li> </ul>
Unit-IV Unit-V	<ul> <li>Tribal Problems : <ul> <li>a) Poverty &amp; Indebtedness</li> <li>b) Land Alienation&amp; Agrarian Issues</li> <li>c) Illiteracy &amp; Exploitation</li> </ul> </li> <li>Tribal Development : <ul> <li>a) Tribal Development Approaches : Isolation, Assimilation, Integration</li> <li>b) Tribal Development policies: Land, Education &amp; Health.</li> <li>c) Obstacles to the Tribal Development.</li> </ul> </li> </ul>
Reference	Books :
2) Beals ar ३) मुखर्जी, ४) वैद्य, नि ५) खडकी, ६) संगवे, f ७) प्रकाश र ८) लोटे रा	रविंद्रनाथ ः सामाजिक गानवशास्त्र (१९९७) .स. : सामाजिक मानवशास्त्र (भराठी) डॉ.भा.की. : सामाजिक मानवशास्त्र वेलास : आदिवासींचे सामाजिक जीवन बोबडे व लोटे : सामाजिक मानवशास्त्र .ज. व चौहाण ए.डी. : सामाजिक मानवशास्त्र : डॉ. डी.ई. : कोरकू आदिवासी सामाजिक विकास आणि शासकीय कल्याणकारी योजना र डॉ. डी.ई. : कोरकू आदिवासी सामाजिक विकास आणि शासकीय कल्याणकारी योजना

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# B.A. Part-III (Semester-V) Subject : Geography Paper : Geography of India

The Examination in Geography will comprise of three head, One Theory paper, Internal Assessment and one Practical. The Theory paper shall be of Three Hours duration and shall carry 50 Marks, the Internal Assessment shall carry 20 Marks and the Practical Examination shall be of Three Hours duration and shall carry 30 Marks The following syllabus is prescribed on the basis of Five Lectures per week and one practical of Two Periods for each batch 16 students.

Theory

		(10 Marks Per Unit)
Unit-I)	India in the context of world, India a Land of Diversities & Un of India.	ity within diversities, Physical Division
Unit-II)	Drainage System of India. Indian Climate: The Monsoon, West	ern Disturbance, Norwesters.
Unit-III	) Soil Types of India, their distribution & Characteristic. Major Crops in India : Wheat, Rice, Cotton & Sugarcane.	
Unit-IV)	) Spatial distribution of Population and density, Population Explo	osion, Urbanization & Sex ratio in
Unit-V)	Distribution & Conservation of Minerals: Iron, Copper, Bauxite Oil, Industrial regions of India.	& Power Resource Coal and Mineral
	Practical	
		30 Marks
Unit-I	Study of Map-projection. Drawing of following projection by Graphical Method with their properties and uses	10 Marks
	i) Zenithal equi-distant projection : Polar Case	
	<ul> <li>ii) Zenithal equal-area projection : Polar Case</li> <li>iii) Simple cylindrical projection</li> </ul>	
	iv) Cylindrical equal - area projection	
Unit-II	Study of Indian Topographical maps of the following regions.	
	a) Mountain b) Plateau and c) Plain	10 Marks
	Practical Record	05 Marks
	Viva	05 Marks
	Internal Marks Distribution (20 Marks)	
1)	Home Assignment	10 Marks
2)	Group Discussion /Seminar	10 Marks
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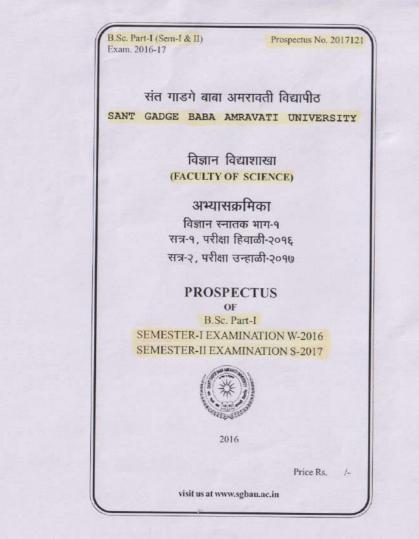
# DEPARTMENT OF GEOGRAPHY

# CERTIFICATE

This is to Certify	that, this	Practical	Records	is the	Bonafide	Practical Work of Shri / Ku.
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1						Signature of the Teacher
2	-					who taught the Examinee
3						
						Head of the Department

Note :

In absence of Certified Practical Record Book, Examinee will not be allowed to appear for the practical Examination.



PUBLISHED BY Dr. Ajay P. Deshmukh Registrar Sant Gadge Baba Amravati University Amravati-444 602

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#### 3 SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI DIRECTION

No.: 16/2010

#### Date : 11/06/2010

#### Subject : Examinations leading to the Degree of বিরাল ব্যাবক (Bachelor of Science) (Three Year Degree Course-Semester Pattern), Direction, 2010.

Whereas, University Grants Commission, New Delhi vide D.O.No.F-2/2008/(XI Plan), Dtd.31 Jan.2008 regarding new initiatives under the 11<sup>th</sup> Plan – Academic Reforms in the University has suggested for improving quality of higher education and to initiate the Academic Reform at the earliest.

#### AND

Whereas, the Academic Council while considering the above letter in its meeting held on 30.4.2008, vide item No.55 has resolved to refer the same to Dean's Committee, and the Dean's Committee in its meeting held on 19.07.2008 has decided to refer the matter to all Board of Studies.

#### AND

Whereas the recommendations of various Board of Studies in the faculty of Science regarding Upgradation and Revision of various syllabi and introduction and implementation of Semester Pattern Examination System at under graduate level was considered by the faculty of Science in its meeting held on 7.12.2009 and constituted a Committee of all Chairmen of Board of Studies and one member nominated by Chairmen of respective B.O.S. under the Chairmanhip of Dean of faculty to decide the policy decision regarding semester pattern examination system.

#### AND

Whereas, the faculty of Science in its emergent meeting held on 11<sup>th</sup> May, 2010 vide item No.26, has considered, accepted and recommended to Academic Council, the policy decision regarding introduction of Semester pattern and the draft syllabi of B.Sc. Part-I (Semester-I & II) along with draft ordinance and other details. The recommendations of the faculty was approved by the Academic Council in its emergent meeting held on 28,5,2010, vide item No.35 D).

#### AND

Whereas, Ordinance No.143 in respect of Examinations leading to the Degree of विज्ञान स्नातक (Bachelor of Science) is in existence in the University as per annual pattern examination system.

# 4 AND

Whereas, new scheme of examination as per semester pattern is to be implemented from the Academic Session 2010-11 for Semester-I & onwards which is regulated by an Ordinance and framing of an Ordinance for the above examination is likely to take some time.

# AND

Whereas, the admission of students in the semester pattern at B.Sc. Part-I (Semester-I) are to be made in the Academic Session 2010-11.

Now, therefore, I, Dr. Kamal Singh, Vice Chancellor of Sant Gadge Baba Amravati University, in exercise of powers conferred upon me under sub-section (8) of section 14 of the Maharashtra Universities Act., 1994, do hereby direct as under:

- This Direction may be called, "Examinations leading to the Degree of বিরান কালেক (Bachelor of Science) (Three Year Degree Course-Semester Pattern), Direciton, 2010".
- This direction shall come into force with effect from the date of its issuance.
- The following shall be the examination leading to the Degree of विज्ञान स्नालक (Bachelor of Science) in the faculty of Science-
  - (1) The विज्ञान रनातक भाग-१, सन्न-१ य २
  - (B.Sc. Part-I, Sem-I & II) Examination; (2) The विज्ञान स्नातक भाग-२, सत्र-३
  - (B.Sc. Part-II, Semester-III) Examination;
  - (3) The विज्ञान स्नातक भाग-२, सत्र-४
  - (B.Sc. Part-II, Semester-IV) Examination; (4) The विज्ञान स्नातक अन्त्य, सत्र-५
  - (B.Sc. Final, Semester-V) Examination; and (5) The विज्ञान स्नातक अन्त्य, सत्र-६
  - (B.Sc. Final, Semester-VI) Examination.

4

- The period of Academic Session shall be such as may be notified by the University.
- The theory examination of Semester-I & II shall be simulta neously conducted by the University at the end of Semester-II in Summer.
- (ii) The examination of Semester-III, IV, V & VI shall be conducted by the University and shall held by the end of each semester separately.

(iii) The main examination of Semester-III & V and that of Semester-IV & VI shall be held in Winter and Summer respectively.

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(iv) The supplementary examination for Semester-I & II shall be held in Winter and that of Semester-III & V and Semester-IV & VI in Summer and Winter respectively.

That means the theory examination of all the Semesters shall be conducted by the University and shall be held as per the schedule.

Sr.No.	Name of the	Main	Supplementary
	Examination	Examination	Examination
1	Semester-1 &	Summer	Winter
	Semester-II	(Simulteneously)	(Simulteneously)
2	Semester-III & Semester-V	Winter	Summer
3	Semester-IV & Semester-VI	Summer	Winter

- Subject to their compliance with the provisions of this Direction and of other Ordinances in force from time to time, the following persons shall be eligible for admission to the examinations, namely:-
  - (a) A student of a College who has prosecuted a regular course of study for not less than one academic year prior to that examiantion;
  - (b) A teacher in a Educational Institution eligible under the provisions of Ordinance No.18, and
  - (c) A women candidate who has not pursued a regular course of study.

Provided that in the case of the persons eligible under clauses (b) and (c) an applicant to the examination shall have attended a full course of laboratory instructions in a College in the subject in which laboratory work is prescribed. The candidate shall submit a Certificate to that effect signed by the Principal of the college.

 (I) The Students passing H.S.C. Examiantion with Physics, Chemistry and Mathematics shall offer following subjects at B.Sc. Part-I Examination.

- English and any one of the following languages Marathi, Hindi, Urdu, Sanskrit, and Supplementary English.
- (ii) Three optional subjects atleast one subject from the following groups be selected.

 Group A :- Chemistry, Industrial Chemistry, Petro-Chemical Science, Electronics, Mathematics.
 Group B :- Physics, Geology, Statistics, Computer Science, Computer Application, Information Technology and Geography.
 The Students passing H.S.C. Examination with Chemistry and Biology shall offer following subjects: 
 (i) English and any one of the following languages. Marathi, Hindi, Urdu, Sanskrit and Supplementary English.

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- (ii) Chemistry.
- (iii) Two optional subejcts form the following group be selected.
- Group C: Botany, Zoology, Bio-Chemistry, Geography, Fisheries, Environmental Science, Microbiology, Geology, Food Science, Industrial Microbiology, Biotechnology and Appiculture.

For Vocational subjects sanctioned by U.G.C. there shall be following scheme of Combination of subjects :-

Students with Mathematics at H.S.C. Examination shall select two subjects from Group D and one from Group F.

Students passing with Biology, at H.S.C Examination. Shall select two subjects from Group E and One from Group F.

- Group D: Physics, Chemistry, Mathematics, Electronics, Statistics Computer Science, Computer Application, Information Technology and Geology.
- Group E: Chemistry, Botany, Zoology, Micro-Biology, Geology, Geography, Environmental Science, Industrial Microbiology and Biochemistry.
- Group F: Biological Techniques and Specimen Preparation. Industrial Chemistry, Instrumentation, Computer Application, Seed Technology, Industrial Fish and Fisheries, Computer Maintenance, Biotechnology and other Vocational subjects proposed by U.G.C.

from time to time shall be included in Group F. The students passing HSC examination with Physics, Chemistry, Biology and Mathematics shall have the option of opting Bioinformatics subject with any one subject from Group-G and any one subject from Goup-H.

 
 Group G:
 Botany, Zoology, Bio-Chemistry, Microbiology, Industrial Microbiology, and Biotechnology.

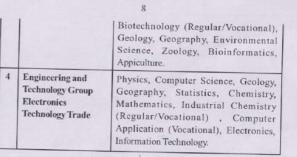
 Group H:
 Chemistry, Physics, Electronics, Statistics, Geology, Mathematics and Computer Science.

(II) The students passing H.S.C. examination (M.C.V.C. stream) with technical trades mentioned in column No.2 of the following table shall be eligible for admission to the B.Sc. Part-I course in the optional subjects mentioned in column Nos. 3 of the said table as per the scheme given in Group A to H.

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TABLE

Sr. No.	M.C.V.C. group and trade	Subjects allowed for admission to B.Sc.Part-J (Any three from the following)
1	2	3
1	Para Medical Group Medical Laboratory Technician Trade	Botany, Zoology, Computer Application (Vocational), Microbiology, Biochemis- try, Biotechnology (Regular/ Voca- tional), Geology, Geography, Environ mental Science, Seed Technology (Vo cational), Industrial Fish & Fisherices (Vocational), B.T.S.P. (Vocational), Chemistry, Bioinformatics.
2	Agricultural Group Horticulture Trade or Crop Science Trade	Zoology, Chemistry, Computer Applica- tion (Vocational), B.T.S.P. (Vocational), Seed Technology(Vocational), Microbi- ology, Biochemistry, Biotechnology (Regular/ Vocational), Geology, Geography, Environmental Science, Botany, Bioinformatics.
3	Fisheries Group Inland Fisheries Trade Fish Processing Technology Trade	Botany, Chemistry, Computer Applica- tion (Vocational), B.T.S.P.(Vocational), Industrial Fish & Fisheries (Voca- tional), Microbiology, Biochemistry,



(III) In the case of विज्ञान रनातक भाग-२ सन्न-३ व ४ (B.Sc. Part-II, Sem-III & IV) Examination:-

have passed not less than one academic year previously the विज्ञान रनातक भाग-9, संत्र-१ व २ (B.Sc. Part-I, Sem-I & II) Examination of the University or an examination recognised as equivalent thereto, and

(IV) In the case of the বিज्ञान स्नातक अन्त्य, सन्न-५ व ६ (B.Sc. Final, Sem-V & VI) Examination:- have passed not less than one academic year previously the বিज्ञान स्नातक भाग-२, सन्त-३ व ४ (B.Sc. Part-II, Sem-III & IV) Examination of the University or an examination recognised as equivalent thereto;

7. Subject to his/her compliance with the provisions of this Direction and other Ordinances (pertaining to Examination in General) in force from time to time, the applicant for admission, at the end of the course of study of a particular semester to an examination specified in column (1) of the table below, shall be eligible to appear at it, if,

- he/she satisfied the condition in the table and the provisions thereunder.
- (ii) he/she has prosecuted a regular course of study in a college affiliated to the University.
- (iii) he/she has in the opinion of the Principal shown the satisfactory progress in his/her studies.

	TABLE				
Name of the Exam to appear	The student should have completed the Session / term satisfactorily	The student should have passed			
1	2	3			
B.Sc. Part-I (Sem-I & II)	Sem-I & II	Qualifying examination.			
B.ScII Semester-III	Semester-I & II	One half of the total head prescribed for Sem-I & Sem-II examination			
B.ScII Semester-IV	Semester-III	One half of the total head prescribed for Sem-I & Sem-II examination			
B.ScIII Semester-V	Semester-III & IV	(i) passed the Sem-I & II examination and (ii) One half of the total head prescribed for Sem-III & Sem-IV examination			
B.ScIII Semester-VI	Semester-V	<ul> <li>(i) passed the Sem-I &amp; II examination and</li> <li>(ii) One half of the total head prescribed for Sem-III &amp; Sem-IV examination</li> </ul>			

(Note : For Calculating the Heads, the theory and the practical shall be consider as a separate head and on calculation fraction if any shall be ignored.)

 Without prejudice to the other provisions of Ordinance No. 6 relating to the Examination in General, the provisions of Paragraph 5, 8, 10 and 31 of the said ordinance shall apply to every collegiate candidate.

The fee for the examination shall be as prescribed by he University

from time to time.

 Every examinee for the বিল্পান ব্যানক মান-২, মর-3 ব মন-৪ (B.Sc.Part-II, Sem-III & Sem-IV), Examination shall be examined in each of the three Science subjects in which he has been examined at the বিল্পান ব্যানেক মান-৭, মর-৭ ব ২ (B.Sc. Part-I, Sem-I & II) Examination.

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- Every examinee for the विज्ञान स्नातक अत्य, सत्र-५ व ६ (B.Sc.Final, Sem-V & VI), Examination shall be examined in each of the three Science subjects in which he has been examined at the विज्ञान स्नातक भाग-२, सत्र-3 व सत्र-४ (B.Sc. Part-II, Sem-III & Sem-IV) Examination.
- 12. An examinee who is successful at the विज्ञान स्नातक भाग-9, सन-9 व २ (B.Sc, Part-I, Sem-I & II) Examination, may offer an additional subject mentioned in Para (6) (iii) not offered by him at the विज्ञान स्नातक भाग-9, सन-9 व २ (B.Sc. Part-I, Sem-I & II) Examination, on his prosecuting a regular course of study for one academic year in that subject. Such an examinee shall not be permitted to take any other examination simultaneously with the examination in the additional subjects. The fee for the additional subject shall be as prescribed by the University from time to time.
- 13. The Scope of the subjects of all semester opted by the students shall be as indicated in the respective syllabi from time to time. The medium of instruction and examination shall be English except for the courses in Languages.
- 14. The maximum marks alloted to each subject and paper and the minimum marks which an examinee must obtain in order to pass the examination shall be as per Appendices A, B, C, D, E and F appended to this Ordinance.
- The practical examination of all semesters shall be conducted annually. That means the practical examination shall be conducted as per following schedule.

Sr.No.	Semester	Examination
1	Semester-I & II	Summer
2	Semester-III & IV	Summer
3	Semester-V & VI	Summer

- The scheme of awarding internal marks shall be as per Appendix-G appended with this Direction.
- 17. Successful examinees at the বিয়ান খনাক अनय, ধন্ব-६ (B.Sc. Final, Sem-VI) Examination who obtain not less than 60% marks in

aggregate of Sem-I, II, III, IV, V & VI Examination taken together shall be placed in the First Division, those obtaining less than 60% but not less than 45% in the Second Division, and all other successful examinees in the pass Division.

# Explanation :

Division at the विज्ञान स्नातक अन्त्य, सत्र-५ व ६ (B.Sc. Final, Sem-V & Sem-VI) Examination shall be declared on the basis of the marks obtained in the Science Subjects at the Sem-I, II, III, IV, V & VI Examination taken together.

- 18. There shall be no classification of successful examinees at the Sem-I to Sem-V Examinations. 19.
  - An examinee successful in the minimum period prescribed for the examination, obtaining not less than 75% of the maximum marks prescribed in the subject shall be declared to have passed the examination with Distinction in the subject. **Explanation** :

- (1) Distinction shall be awarded only in Science Subjects including Mathematics
- (2) Distinction at the विज्ञान स्नातक अन्त्य (B.Sc. Final) Examination shall be awarded on the basis of the marks obtained at the विज्ञान स्नातक भाग-१, सत्र-१ व २; विज्ञान स्नातक भाग-२, सत्र-३ व ४; व विज्ञान स्नातक अन्त्य, सत्र ५ व ६ (B.Sc. Part-I, Sem-I & II; B.Sc. Part-II, Sem-III & IV, and B.Sc. Final-Sem-V & VI) Examination taken together.
- (3) Distinciton shall not be awarded to an examinee availing of the provision of the exemptions and compartments at any of the examination.
- 20. Provisions of Ordinance No18/2001 in respect of an Ordinance to provide grace marks for passing in a Head of passing and Inprovement of Division (Higher Class) and getting Distinction in the subject and condonation of defficiency of marks in a subject in all the faculties prescribed by the Statute NO.18, Ordinance 2001 shall apply. 21
- (A) The students who have passed B.Sc.Final examination of this University or any other statutory University shall be eligible to seek admission for studying practical of any other optional subjects offered for B.Sc. Degree for simultaneous study of complete three year course for that subject in one year and to appear simultaneously for all parts of examination leading to the degree of Bachelor of Science (additional) in that subject, subject to the following condition.

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An examinee shall have attended full course of laboratory instructions in a College in the subject in which laboratory work is prescribed. An examinee shall submit a certificate to that effect signed by the Principal of the College.

- (B) On securing not less than minimum marks prescribed for the subject / subjects shall be issued a certificate of having passed the examination in the additional subject/subjects as the case may be.
- (C) The application for admission to the examination under (A) above shall be submitted to the Registrar not less than three months before the date of commencement of the examination."
- 22. As soon as possible after the examinations the Board of Examination shall publish a list of successful examinees at the B.Sc Part-I, Sem-I & II; B.Sc. Part-II, Sem-III & IV and B.Sc. Final Sem-V & VI Examinations. Such list at the विज्ञान स्नातक अन्त्य (B.Sc. Final) Examination shall be arranged in three Divisions. The names of the examinees passing the examination as a whole in the minimum prescribed period and obtaining the prescribed number of places in First or Second Division shall be arranged in Order of Merit as provided in the Examinations in General Ordinance No. 6,
- 23. No Person shall be admitted to B.Sc Part-I, Sem-I & II; B.Sc. Part-II, Sem-III & IV and B.Sc. Final Sem-V & VI Examinations, if he has already passed the corresponding or an equivalent examination of any other Statutory University.
- 24. Successful Examinees at the विज्ञान स्नालक भाग-१, सन्न-१ व २ (B.Sc. Part-I. Sem-I & II) and the विज्ञान स्नातक भाग-२, सन्र-३ व ४ (B.Sc. Part-II, Sem-III & IV) Examination shall be entitled to receive a Certificate signed by the Registrar and successful examinee at the end of विज्ञान रनातक अन्त्य सत्र-६ (B.Sc. Final, Sem-VI) Examination, shall on payment of the prescribed fees, receive a Degree in the Prescribed form, signed by the Vice-Chancellor.

# Sang Gadge Baba Amravati University, Amravati DIRECTION

19

#### No.: 37/2011

#### 7/2011 Date : 26.7.2011 Subject : Corrigendum to Direction No.16/2010 in respect of Examinations leading to the Degree of (Bachelor of Science) (Three Year Degree Course – Semester Pattern)

Whereas, the Direction No. 16 of 2010 regarding Examinations leading to the Degree of (Bachelor of Science) (Three Year Degree Course – Semester Pattern), Direction-2010 is in existence.

#### AND

Whereas, the existing provision regarding theory examination of Semester-I & II shall be simultaneously conducted by the University at the end of Semester-II in Summer as well as the practical examinations shall be conducted annually for each semester.

#### AND

Whereas, the Committee constituted by the faculty of Science, under the Chairmanship of Dean of the faculty in its meeting held on 28.6.2011 and 14.7.2011 has considered the issues regarding conduction of theory and practical examination of B.Sc. Semester-I to VI at the end of each semester, from the Academic Session 2011-12.

#### AND

Whereas, making amendments in the Ordinance for above examination is a time consuming process.

#### AND

Whereas, it is necessary to carryout the corrections to Direction No.16 of 2010 issued earlier as stated in para No.1 above, urgently.

Now, therefore, I, Dr. Mohan K. Khedkar, Vice Chancellor of Sant Gadge Baba Amravati University, in exercise of powers conferred upon me under sub-section (8) of section 14 of the Maharashtra Universities Act., 1994, do hereby direct as under:

- This Direction may be called "Corrigendum to Direction No.16/2010 in respect of Examinations leading to the Degree of (Bachelor of Science) (Three Year Degree Course – Semester Pattern)".
- 2. This direction shall come into force from the date of its issuance,
- From the Academic Session 2011-12, theory and practical examinations of each Semester shall be conducted separately at the end of each semester.

Amravati Date : 26/7/2011 Sd/-(Dr.Mohan K.Khedkar) Vice-Chancellor No.: 1/2012

# DIRECTION

# Date :23.1.2012

Subject : Corrigendum to Direction No.16/2010 in respect of Examinations leading to the Degree of (Bachelor of Science) (Three Year Degree Course-Semester Pattern)

Whereas, the Direction No.16 of 2010 in respect of Examinations leading to the Degree of (Bachelor of Science) (Three Year Degree Course – Semester Pattern) in the faculty of Science is in existence.

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#### AND

Whereas, corrigendum to Direction No.16 of 2010 in respect of Examinations leading to the Degree of (Bachelor of Science) (Three Year Degree Course – Semester Pattern) was issued vide Direction No.37/2011 on dated 26.7.2011.

#### AND

Whereas, the Academic Council in its meeting held on 13.1.2012 vide item Nos.14 (5) (E) and 14 (5) (O) respectively has accepted to allow the students passing H.S.S.C. examination (M.C.V.C. stream) with Medical Laboratory Technician Trade for admission to B.Sc. Part-I under the group-"Chemistry, Environmental Science, Industrial Microbiology,", and the recommendations of the Monitoring Committee under the Chairmanship of Dean, faculty of Science of its meeting dated 15.11.2011 regarding correction in marking scheme of Internal Assessment Marks at B.Sc. level.

#### AND

Whereas, as per decision of Academic Council, the above correction are to be carried out in Column No.3 against Sr.No. 1 under the table of subclause (II) of Para 6 and in Appendix-G of Direction No.16 of 2010 issued earlier for the Examinations leading to the Degree of (Bachelor of Science) (Three Year Degree Course – Semester Pattern) in the faculty of Science for Summer-2012 examinations and onwards.

#### AND

Whereas, it is necessary to carry out the corrections in the above said Direction immediately.

Now, therefore, I, Dr.Mohan K.Khedkar, Vice Chancellor of Sant Gadge Baba Amravati University, in exercise of powers conferred upon me under sub-section (8) of section 14 of the Maharashtra Universities Act., 1994, do hereby direct as under:

 This Direction may be called "Corrigendum to Direction No.16/2010 in respect of Examinations leading to the Degree of (Bachelor of Science)

(Three Year Degree Course - Semester Pattern) in the faculty of Science".

- This direction shall come into force from the date of its issuance.
   In Direction No.16/2010 in respect of Examinational and in the last of the second s
  - In Direction No. 16/2010 in respect of Examinations leading to the Degree of (Bachelor of Science) (Three Year Degree Course – Semester Pattern) in the faculty of Science-
    - A) the words "Industrial Microbiology" after the word "Bioinformatics" in column No.3 against Sr.No.1 under the table of Sub-clause (II) of para 6 of Direction No.16 of 2010 shall be added.
       B) in Appendix-G following corrections be carried out :
      - in Appendix-G following corrections be carried out : 1. In column No.4, at Sr.No.1, the words "Two assignments" be
      - replaced by the words "One assignment". 2. In column No.4, at Sr.No.2, the words & signs "Two Class
      - Tests (On passing test)" be replaced by the words "One test". 3. In column No.4, at Sr.No.4, the words & signs "Two Class
      - Tests (On passing test)" be replaced by the words "One test". 4. In column No.4, at Sr.No.5, the words "Any one of the activity" be replaced by the words "Any one of the activities".
      - be replaced by the words "Any one of the activities".
        5. The Note No.4 be deleted and substituted by the following para. "The test with maximum 30 marks be conducted for the students and the marks be allotted based on the performance of the students as under-"

AND SERVICES	Languages	Mathe	matics	Other Sci. subjects		
	Sem-l & II	Sem- I & II	Sem- III to VI	Sem- I & II	Sem- III to VI	
For the score 24 and above.	06	10	08	12	10	
From 18 to 23	05 .	08	06	10	07	
From 11 to 17	04	06	04	07	05	
From 0 to 10	00	00	00	00	00	

6. The following Note be added at Sr.No.7 -

"The student who remain absent for internal assessment through out the semester, 'Zero' marks be given to him/her while posting the marks instead of writing "Ab" before his/ her name."

Amravati Date: 23/1/2012 DR. A. B. Ky K (Mohan K. Khedkar) Co-ordinator, Vice-Chancellor

SANT GADGE BABAAMRAVATI UNIVERSITY, AMRAVATI

# 22 DIRECTION

# No. : 5 of 2015

Date : 03/07/2015

#### Subject : Corrigendum to Direction No. 16 of 2010 in respect of Examinations leading to the Degree of विधान स्नातक (Bachelor of Science) (Three Year Degree Course – Semester Pattern), Direction, 2015.

Whereas, Direction No.16/2010 in respect of Examinations leading to the Degree of विज्ञान रनातक (Bachelor of Science) (Three Year Degree Course – Semester Pattern), Direction 2010, in the Faculty of Science is in existence in the University.

#### AND

Whereas, Direction No. 16 of 2010 in respect of Examinations leading to the Degree of विज्ञान स्नातक (Bachelor of Science) (Three Year Degree Course – Semester Pattern), Direction 2010 is already corrected by Direction Nos. 37/2011 & 1/2012,

#### AND

Whereas, the recommendation of the Committee appointed by Faculty of Science in respect of Government Resolution No. क्रीओसी-२०९२/ ५९५/प्र.क.२४५(अ)/व्यचि-४, दि.२८.२०९२ to decide equivalence for the +2 year courses of Vocational Education Examination Board for admission to higher education was accepted by the Hon'ble Vice-Chancellor u/s 14(7) of Maharashtra Universities Act, 1994 on behalf Faculty of Science and Academic Council.

#### AND

Whereas, Hon'ble Vice-Chancellor has accepted the recommendation of the Committee appointed by Faculty of Science for the students admitted to B.Sc.Part-I having passed 12<sup>th</sup> M.C.V.C. courses with trades "Dairy Technology", "Poultry Production", "Seed Production Technology", "Watershed Management", "Post Harvest Technology" and "Watershed Management" u/s 14(7) of Maharashtra Universities Act, 1994 on behalf Faculty of Science and Academic Council.

#### AND

Whereas, the Department of Higher and Technical Education, Govt. of Maharashtra vide its Order No. एन.जी.सी.२०१४/(१०२/१४)/मशि-४, दि.14.6.2014, granted permission to start B.Sc. Part-I Forensic Science at Shri Shivaji Arts, Commerce and Science College, Akola; and the recommendations of Prictiona Committee of its meeting held on 9.4.2015 regarding draft syllabus

Arts & Commerce College Jarud, Ta. Warud, Dist. Armavati

and other details for the subject Forensic Science at B.Sc. level were accepted by the Hon'ble Vice-Chancellor u/s 14(7) of the M.U.Act, 1994 on 15.4.2015 on behalf of Faculty of Science.

#### AND

Whereas, the Academic Council in its meeting held on 6.5.2015 while considering the above recommendations of Faculty of Science vide item No. 35) 2) G) has approved the Draft Syllabi and other details for the subject Forensic Science at B.Sc. level to be implemented from the Academic Session 2015-16.

#### AND

Whereas, the matter is required to be regulated by framing the Ordinance and making of an Ordinance may likely to take some time.

#### AND

Whereas, the Academic Session 2015-16 is commencing in June, 2015.

Now, therefore, I, Dr.M.K.Khedkar, Vice-Chancellor of Sant Gadge Baba Amravati University, Amravati in exercise of powers conferred upon me under sub-section (8) of section 14 of the Maharashtra Universities Act, 1994, do hereby direct as under:

- 1) Corrigendum to Direction No. 16 of 2010 in respect of Examinations leading to the Degree of বিভাগ দ্বালক (Bachelor of Science) (Three Year Degree Course – Semester Pattern), Direction, 2015.
- This Direction shall come into force w.e.f. the date of its issuance.
   As per Government Resolution No. #Babb Secondary 77 an (a)
- As per Government Resolution No. ল্রীओसी-२०१२/५९१/ प्र.क.२४५(अ)/ অধি–४, दि.२८.९.२०१२,
  - The students passing the Certificate Course Examination from Computer, Electronics, Electric and Chemical group shall be eligible for admission to B.Sc. Part-I under the Group-A, B, D & H.
  - ii) The students passing the Certificate Course Examination from Paramedical and Agriculture group shall be eligible for admission to B.Sc. Part-I under the Group-C, E, F & G.
- 4) For the admitted and hereinafter admitting students to B.Sc. Part-I, in Direction No.16/2010 in para 6(II), in Sr.No.2 of the table, in the column of "M.C.V.C. Group and Trade", the trades "Dairy Technology", "Poultry Production", "Seed Production Technology", "Watershed Management", "Post Harvest Technology" be added below the Trade "Crop Science Trade" under Agriculture Group" and the trade "Watershed Management" be also added below the Trade "Electronics Technology Trade".

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- Forensic Science subject shall be started as an optional subject for B.Sc. Degree course in the University.
- 6) In Direction 16/2010, in Para 6. (1), the subject "Forensic Science" shall be added in Group-C after the subject "Apiculture", in Group-E after the subject "Biochemistry" and in Group-G after the subject "Biotechnology".

Date : 03/07/2015

Sd/-(Dr.M.K.Khedkar) Vice-Chancellor Sant Gadge Baba Amravati University

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

# 25 DIRECTION

#### No.: 15 of 2015

#### Date : 24/09/2015

# Subject : Corrigendum to Direction No. 16 of 2010 in respect of Examinations leading to the Degree of विज्ञान रनातक (Bachelor of Science) (Three Year Degree Course -Semester Pattern), Direction, 2015.

Whereas, Direction No.16/2010 in respect of Examinations leading to the Degree of विज्ञान स्वातक (Bachelor of Science) (Three Year Degree Course - Semester Pattern), Direction 2010, in the Faculty of Science is in existence in the University.

#### AND

Whereas, Direction No. 16 of 2010 in respect of Examinations leading to the Degree of विवान स्थातक (Bachelor of Science) (Three Year Degree Course - Semester Pattern), Direction 2010 is already corrected by Direction Nos. 37/2011, 1/2012 & 5/2015.

#### AND

Whereas, the Department of Higher and Technical Education, Govt. of Maharashtra vide its Order No. एन.जी.शी.२०१४/(१०२/१४)/मणि-४. हि.14.6.2014, granted permission to start B.Sc. Part-I i) Renewable Energy& ii) Animation at Gayadevi Joshi Aryabhatta Mahavidyalaya, Akola;

#### AND

Whereas, the Honb'le Vice-Chancellor has constituted the Ad-hoc Committees for the subjects Renewable Energy & Animation for preparation of draft syllabi and other details.

#### AND

Whereas, the recommendations of Ad-hoc Committee of its meeting held on 6.8.2015 for the subject "Renewable Energy" and 18.09.2015 for the subject "Animation" regarding draft syllabus and other details for the above subjects at B.Sc. level were accepted by the Hon'ble Vice-Chancellor u/s 14(7) of the Maharashtra Universities Act, 1994 on 24.9.2015 on behalf of Faculty of Science and Academic Council.

#### AND

Whereas, the above recommendations of the Draft Syllabi and other details for the subjects i) Renewable Energy & ii) Animation at B.Sc. level to be implemented for B.Sc.Part I from the Academic Session 2015-16.

#### AND

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Whereas, the matter is required to be regulated by framing the Ordinance and making of an Ordinance may likely to take some time.

#### AND

Whereas, the Academic Session 2015-16 is already started.

Now, therefore, I, Dr.M.K.Khedkar, Vice-Chancellor of Sant Gadge Baba Amravati University, Amravati in exercise of powers conferred upon me under sub-section (8) of section 14 of the Maharashtra Universities Act, 1994, do hereby direct as under:

- 1) This Direction shall be called as "Corrigendum to Direction No. 16 of 2010 in respect of Examinations leading to the Degree of विज्ञान स्नातक (Bachelor of Science) (Three Year Degree Course - Semester Pattern), Direction, 2015".
- 2) This Direction shall come into force w.e.f. the date of its issuance.
- The subjects i) Renewable Energy & ii) Animation shall be started as optional subjects for B.Sc. Degree course in the University.
- In Direction 16/2010, in Para 6. (I), the subject "Renewable Energy" and "Animation" shall be added at the end of Group-A.

Date : 24/09/2015

Sd/-(Dr.M.K.Khedkar) Vice-Chancellor

SANT GADGE BABAAMRAVATI UNIVERSITY, AMRAVATI

The Executive Council, dat4ed 1/2-4 -1977, 11-7-1977 has prescribed the Teaching periods in the various subject in the Faculty of Science as follows.

Exar	nination:	B. Sc. P	art - I
	Subject	Theory	Practical
1.	Chemistry	6	6
2.	Physics	6+1 Tutoria	1 6
3,	Botany	6	6
4.	Zoology	6	6
5.	Geology	6	6
6.	Mathematics	9+1 Tutorial-	
7.	Statistics	6	6
8.	English		
	Languages:	4+1 Tutorial	
9.	Supplementary English	3	
10.	Marathi	3	
11.	Hindi	3	
12	Sanskrit	3	
13,	Biochemistry	6	6
14.	Microbiology	6	6
15.	Electronics	6	6
16.	Computer Science	6	6
		B.Sc. Part - II and B.	Sc. Final
1.	Physics	6+2	6
2	Mathematics	9+1 Tutorial	
3.	Chemistry	6	6
4.	Botany	6	6
5.	Zoology	6	6
6.	Geology	6	6
7.	Statistics	6	6
8,	biochemistry	6	6
9.	Microbiology	6	6
10.	Electronics	6	6
11.	Computer Science	6	6

Note: 1) \* The strength of a batch of practical and Tutorials for Under-Graduate classes shall be 16 with an addition of 10% with the

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perimission of Vice-Chancellor.

- \*(As amended by the Executive Council dated 27/28-4-1979).
  A Period will be counted of 45 minutes duration at Undergraduate level.
- For Tutorial class a batch will be of 16 students with an addition of 10% with the permission of the Vice-Chancellor per week.

\*\*\*\*

SYLLABUS PRESCRIBED FOR B.Sc. PART-I SEMESTER-I

Appendix-A

# **Examination Scheme** विज्ञान रनातक भाग-१

R Sc	Part-D	(Semester-I)
D.DC.	rart-r	(Semester-1)

Sr.	Subject			Exam	cheme				
No.	т		The	ory		Pra	tical	Total	
		Max. Mar. Theory Papers		Total	Min. pass Marks	Max. Marks Practical	Min. Pass Mar.	Theory, Pract. & Int.Ass.	
1	Compulsory English	40	10	50	18	-		50	
2	Languages	40	10	50	18	_	_	50	
3	Mathematics (Paper-I)	60	15	150	54	07		150	
4	Mathematics (Paper -[])	60	15	150	54		-	120	
5	Science subjects excluding Mathematics	80	20	100	35	50	18	150	

Grand Total of Semester-I: 450+100 Appendix-B

# विज्ञान रनातक भाग-१ (B.Sc. Part-I) (Semester-II)

Sr. No.	Subject	100			n Schem	The second second second			
280.		1-1	Theo	ry	1.	Practica	ıl	Total	
		Max. Mar. Theory Papers	Max. Marks Int. Ass.	Total	Min. pass Marks	Max. Marks Practical	Min. Pass Mar.	Theory, Pract. & Int.Ass.	
1	Compulsory English	40	10	50	18	-		50	
2	Languages	40	10	50	18			50	
3	Mathematics (Paper-III)	60	15	150	54	-	-	50	
4	Mathematics (Paper -IV)	60	15	1.00	34		-	150	
5	Science subjects excluding Mathematics	80	20	100	3.5	50	18	150	

14

19511	1 स्नातक	भाग-२. सत्र ३	
B.Sc.	Part-ID	(Semester-III	3

Sr.	Subject							
No.			Theory			Practica	Total	
		Max, Mar, Theory Papers	Max. Marks Int. Ass.	Total	Min. Pass Marks	Max. Marks Practical	Min, Pass Mar,	Theory, Pract & Int.Ass.
1	Mathematics (Paper-V)	60	15			-		
2	Mathematics (Paper-VI)	60	15	150	60	CIPCO	-	150
3	Science subjects excluding Mathematics	80	20	100	40	50	20	150

# Appendix-D

Appendix-C

# विज्ञान स्नातक भाग-२. सत्र ४ (B.Sc. Part-II) (Se

SE	Subject		and the second second					
No.	TRICESONIDA	1125	Theor	ny .		Practica	Total	
		Max, Mar. Theory Papers	Max. Marks Int, Ass.	Total	Min. Pass Marks	Max. Marks Practical	Min. Pass Mar.	Theory, Pract & Int.Ass.
1	Mathematics (Paper-VII)	60	15			-	-	
2	Mathematics (Paper-VIII)	60	15	150	60	193		150
1	Science subjects excluding Mathematics	80	20	100	40	50	20	150

Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

#### Scheme of Teaching, Learning & Examination leading to the Degree in Bachelor of Science in the Programme Environmental Science (Three years- Six Semester Degree Programme- C.B.C.S.) (B.Sc. Part I) Semester II

Sr.	Subject	Subject			Teach	ing & Lear	rning §	scheme	10.84	Duration	Examination & Evalu				ion Scheme
1. K	cod	code	Teac	hing P	eriods	Per Week		Credits		of Exam Hours	1	Theory	Pra	ctical	Total Marks
			L	Т	P	Total	T/T	Practical	Total		Theory+ MCQ External	Skill Enhancement Module	Internal	External	
1	DSC -2 Physical Environment & Natural Resources	EVS (2S)	6	-	-	6	4.5	-	4.5	03	80	20	-	-	100
2	Lab	EVS 2S PR	•	-	6	6	-	2.25	2.25	03		na Standar	25	25	50
3	Total		6	-	6	6	4.5	2.25	6.30	06	80	20	25	25	150

# L: Lecture, T: Tutorial, P: Practical

# Student may complete their Internship/ Field Work/ Work experience from Second to Fifth semester of Bachelor of Science in the Programme, according to their convenience; @ denotes No Note: Internship/ Apprenticeship/ Field Work Experience (during vacations of semester II to V This will carry 5 credits for learning of 150 hours. Its credits and grades will be reflected in final grade report.

DR Δ. KADE Co-ord IO tor, ints & Commerce College, Jarud

Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

			1. COMPULSORY ENG	LISH	
			1S Compulsory Engl	ish	
		1	Effective from Session 20	10-2011	
Text Boo	ok Pres	cribe	ed : REALMS OF GOLD (	SPACIALEDITION	
			Edited by Board of I	Editors, Sant Gadge	Baba
			Amravati University, A	mravati.	
22 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Publisher: Orient Bl	ackswan Pvt. Ltd. Mt	umbai.
Prose Pa	issages	: 1.	The Power of Prayer : Ab	dul Kalam	
		2	Rising Tide of Urban Cha	aos : Colin Legum	
		3.	The Gold Frame : R.K.Lay	xman	
		4.	Vivekananda : The Great	t Journey to the West	:
			Romain Rolland		
_		5.	Good Manners : J.C.Hill		
Poems :	1.	The	Village Schoolmaster - Oliv	ver Goldsmith	
	2 1	Lucy	-William Wordsworth		
	3.	When	n I Set Out for Lyonnesse	- Thomas Hardy	
	4. 1	All in	n June - W. H. Davies.		
Gramma	r: Pai	rts o	f Speech, Use of Articles	and Prepositions, T	enses,
	Tra	insfo	ormation of Sentences.		
	Comr	nuni	cation Skills Everyday E	nglish – Part I	
		Pre	paring a CV and Writing	Letters.	
Р	attern	of Q	uestion Paper and Distri	bution of Marks.	
Iaximun				Time: Three I	
2.1 : Pr	ose Pas	sage	s No. 1 to 5	Thue: I nree l	lours
TE	iere sha	II be	five short answer question	05	
). 2 : Pr	ose Pas	sage	s No. 1 to 5	1505 marks	
Th	iere sha	II be	five long answer questio	ne Out of these a	1
wi	ll have	to an	iswer any two questions of	five marks each	idents
			, questions of		marka
).3: Po	ems no.	1 to	4		narks
			four long-answer question	ns Out of these stu	dante
wil	Il have t	o an	swer any two questions of	five marks each	dents
				10 m	narks
.4: Gra	ammar	: Pa	urts of Speech, Articles a	and Prepositions Te	101100
Ira	instorm	ation	n of Sentences.		
The	re shall	be f	five questions based on the	prescribed gramma	r and
usa	ge.		~MM	05r	narks ///
[No	ote : Th	e pa	per oper applicave bis	her discretion as rea	gards Pr
			Co-ordinator,		Arts & Com
			IQAC .rts & Commerce Colleg	e. Jarud	
			in is a contine co coney	Constanting of the second	Jarud, Ta. War

selection] Q.5: There shall be two questions based on Everyday English - Part I. Out of these students will have to answer any one .....05 marks

Q. 6: There shall be one question on preparing a CV for seeking a job .....05 marks

Total

# 2S COMPULSORY ENGLISH

Text Book Prescribed : REALMS OF GOLD (SPACIAL EDITION) Edited by Board of Editors, Sant Gadge Baba Amravati University, Amravati.

Publisher: Orient Blackswan Pvt. Ltd. Mumbai. Prose Lessons Prescribed: 1. With the Photographer - Stephen Leacock

- 2. A Talk on Advertising Herman Wouk
- 3. Making a Contract Philip Bingham
- 4. The Scientific Point of View-J. B. S. Haldane

40 marks

- 5. The Sun, the Planets and Stars C. Jones. Poems Prescribed: 1. The Best of School - D. H. Lawrence
  - 2. Ballad of the Landlord Langston Hughes

  - 3. To the Indians Who Died in Africa T. S. Eliot 4. Ecology - A. K. Ramanujan

Grammar : Parts of Speech, Use of Articles and Prepositions, Tenses, Transformation of Sentences,

Communication Skills : Note-making and Reporting, Paragraph Writing,

# Pattern of Question Paper and Distribution of Marks.

Maxin	mum Marks : 40	Time: Three Hours
	There shall be five short answer que passages	estions based on prescribed prose
Q. 2 :	There shall be five long answer que passages. Out of these, students wi tions of five marks each	stions based on prescribed prose Il have to answer any two ques-
Q.3:	There shall be four long-answer or	10 marks

ems. Out of these students will have to answer any two questions of five marks each .... 10 marks

incigal: There shall be five questions of one mark each, from Grammar Secmerce College

rud, Dist. Amravati

	formation of Sentences	ticles and Prepositions, Tenses, Trans- 	9)	स्टीफन हॉकिंग	-	निवास पाटील	
Q.	5: There shall be one question ei	ther on Note-making or on Reporting	5)	मला शब्द द्या	-	वि.वा.शिरवाडकर	
(Note: The paper setter shall have the discretion) 05 marks			3)	आंबेडकरांचे ग्रंथप्रेम	-	शां.शं.रेगे	
Q. 0. There shall be one question on Paragraph Writing on toning of one				विज्ञान, तंत्रज्ञान आणि मराठी	ो भाषा -	जयंत नारळीकर	
	rent relevence. Students will have to write a paragraph of about 200 words out of four given topics			चिंतन		ए.पी.जे.अब्दूल कलाम	
	four our of four given topic	05 marks	Ę)	जगायचं कशासाठी		डॉ.निर्मलकुमार फडकुले	
		Total 40 marks		τ	वटक ब (पद्य)		
		Total 40 marks	9)	विद्यार्थ्याप्रत		केशवसूत	
			२)	लपे कर्माची रेखा	- बहिणा	ाबाई चौधरी	
	२. मराठी		3)	मेंढर		विष्ठल वाघ	
	विज्ञान रनातक भाग-१, सन्न-१ व सन्न-२			संग्राम	-	यशवंत मनोहर	
	अभ्यासक्रमासाठी सूक्ष्म वाचनाकरिता	पाठ्यपुरतक "शलाका" ओरिएन्ट ब्लॅकस्वॉन		घटक क	(व्यावहारिक मरा		
ST. IR	ल.गुंबई ४००००१ यानी प्रकाशित केले अ	हि.			(व्यायहारिक नरा गाध्यमांसाठी लेखन		
	उपरोक्त "शलाका" पाठ्यपुस्तक वि	ज्ञान शाखा भाषा अभ्यास मंडळाने संपादित		मराठी अनिवार्य			
कल	ले असेल व त्यात खालील घटकांचा व	गठ्यांशांचा समावेश राहील.		विज्ञान स्नातक भाग-१, सत्र-१ व सत्र-२			
	रात्र-	9	येळ ३		7-9		
	घटक अ	(गद्य)	या वि	षयाची एक प्रश्नपत्रिका राहील.		गुण - ४०	
9)	पुरुष सूक्त	- लक्ष्मण लोंदे		वाचनाकरिता पाठचपुस्तक - "श	लाका"		
5)	विज्ञान कथेतील सत्य आणि कथित	- चंद्रकांत पाटील	या पा	ज्यपुस्तकातील घटक अ (पाठ क्र	१ ते ६) व घटक	रा (करिता क 9 ने 4) न स्टब्स	
3)	येशूची लोकशिक्षणाची शैली	- फ्रान्सीस दिब्रिटो	क (ब	गवहारिक मराठी) यावर प्रश्न व	गणविभागणी खाल	अ (मगमपो प्रत्य त 8) व घटक तिल प्रमाणे राहील	
8)	लोकभ्रम	- विष्णूशास्त्री चिपळूणकर	प्रश्न-	। घटक अ - दिघौंचरी प्रश्न ।	(कोणताही एक)	गुण - १०	
4)	महात्मा ज्योतिराव फूले	- भा.ल.भोळे	সহন-:	घटक अ - लघुत्तरी प्रश्न (व	कोणलंही दोन)	गुण - (५अ५उव०)	
Ę)	गाडगे बाबांचे अखेरचे किर्तन	- गाडगे बाबा	দ্রহন-র	घटक ब - लघुत्तरी प्रश्न (त	कोणतेही दोन)	गुण - (५अ५उ००)	
	घटक ब	(पद्य)	प्रश्न-४	घटक क - व्यावहारिक मरा	ठी- कार्यालयीन प	अव्यवसार गण - (५४५५४२०२)	
9)	पसायदान	- जानेश्वर		पाच गुणांचे दोन	न प्रश्न राहील	and the fight of the	
2)	डोईवा पदर	- जनावाई			भाग-१, सत्र-१ व	सन-२	
3)	टिळा टोपी उंच दावी	- त्काराम	वेळ ३	THEFT	ার-২	र्ग्रोवी - 80	
8)	जैसा वृक्ष नेणे	- नामदेव	या चिष	याची एक प्रश्नपत्रिका राहील.		.3et - 20	
	and the second second second			ाचनाकरिता पाठचपुस्तक - " <b>श</b> र	गका"		
	घटक क (व्यावहा कार्यालयीन पत्रव्यवहार	रिक गराठा)	1 .	या पाठवपुरतकातील घटक अ (पा	ठिक श ते १२ दि	घटल ह (क्रांगिना का भी रोज	
	474101414 4364461V	1	SHALL OUT NE	पटक के (व्यावहारिक मराती) सात	र प्रश्न व गणविभा	गणी खालील प्रमाणे राहील	
	and	hA.	, प्रश्न-१	घटक अ - दिघोत्तरी प्रश्न (व	होणताही एक)	गुण - १०	
	्रसंग्र-२	1000	्र प्रथन-२	घटक अ - लघुत्तरी प्रश्न (क	ोणतेही दोन)	गुण - (५+५=१०)	
	DR. A. B. Addition	Prince Prince		घटक ब - लघुत्तरी प्रश्न (को		गुण - (५+५=१०)	
	Co-ordinator, FOAC	Arts & Comm	erce Coll	eae		3-1 (213-10)	
	Arts & Commerce College, J	arud Jarud, Ta. Warud	d. Dist. Amr	avefi			

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# Syllabus Prescribed for -BSc-I Year UG Programme

Programme: B.Sc. Part-I Sem-I ( Computer Science / Computer Application [Voc/Non-Voc]/IT) Semester 1

Code of the Course/Subject	Title of the Course/Subject	(No. of Periods/Week)	
1CSLAB1	Laboratory/Practical of Fundamentals of Computer and C Programming	06 periods per Batch per Week	

# \* List of Practical/Laboratory Experiments/Activities etc.

# Course Name: Fundamentals of Computer and C Programming

# COs

Upon completion of this course successfully, Students would be able to demonstrate/perform/accomplish the following

- 1. Write word processing task.
- 2. Create worksheet and perform operations on it.
  - 3. Design, compile and debug programs in C language.
  - 4. Classify conditional expressions and looping statement to solve problems associated with conditions and repetitions.
  - 5. Demonstrate the programs using arithmetic and relational operators.
    - 6. Implement the concept of various string handling functions.
    - 7. Classify programming components that efficiently solve computing problems in real-world.

# List of Practical:

- 1. Practical on Word Processing.
- 2. Practical on Spread Sheets.
- 3. Practical on Design of Presentation.

- Write a program in 'C' to demonstrate Arithmetic Operations.
   Write a program in 'C' to demonstrate If -Else Statement.
   Write a program in 'C' to demonstrate Nested If Statement.
   Write a program in 'C' to demonstrate Else. If ladder Statement. Write a program in C to demonstrate Switch-case Statement.
   Write a program in C to demonstrate Switch-case Statement.

- Write a program in 'C' to demonstrate For Loop Statement.
   Write a program in 'C' to demonstrate Nested For Loop Statement.
   Write a program in 'C' to demonstrate While Loop Statement.

- Write a program in 'C' to demonstrate While Loop Statement.
   Write a program in 'C' to demonstrate Nested While Loop Statement.
   Write a program in 'C' demonstrate Do-While Loop Statement.
   Write a program in 'C' demonstrate Nested Do-While Loop Statement.
   Write a program in 'C' demonstrate One-Dimensional Array.
   Write a program in 'C' demonstrate Two-Dimensional Array.

- 17. Write a program in 'C' demonstrate String Functions.
- 18. Write a program in 'C' demonstrate Pointers.
- 19. Write a program in 'C' demonstrate Function.
- 20. Write a program in 'C' demonstrate Function Recursion.

# Weblink to Equivalent Virtual Lab if relevant:

- https://www.programiz.com/c-programming/online-compiler/
- https://www.onlinegdb.com/online c compiler
- https://www.tutorialspoint.com/compile c online.php

# **Distribution of Marks for Practical Examination**

# Time: 4 hours (One Day Examination) Marks: 50

Exercise-I ......15 Exercise-II......15 Viva-Voce......10 Record ...... 10 Total: 50

KADE DR. Co-ordinator, TOAC Arts & Commerce College, Jarud

Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

# Distribution of Marks.

- Maximum Marks: 40 **Time: Three Hours**
- Q.1: There shall be five short answer questions based on prescribed prose. .05 marks
- Q.2: There shall be five long answer questions based on prescribed prose, out of these students will have to answer any two questions of five marks each 10 marks
- Q. 3 : There shall be four long answer questions based on prescribed poems. Out of these, students will have to answer any two questions of five marks each ......10 marks
- Q. 4: There shall be five questions of one marks each, from Grammar Section-Parts of Speech, Use of articles and Prepositions, Tenses, ..05 marks Transformation of Sentences (Selection of Questions shall be at the discretion of paper setter)
- Q. 5: There shall be one question either on Soft skills or on Public speaking . 05 marks
- Q. 6: There shall be one question either on Curriculum Vitae or on Report .....05 marks Writing.

#### Total 40 marks

[Notes : 1. For additional knowledge & practice of Grammar the following books are suggested. English Grammar Practice by Raj N. Bakshi, Publisher - Ori-

ent Blackswan Pvt. Ltd. Mumbai.]

#### 7. MATHEMATICS

Notes: (1) There shall be Two Papers of 60 marks each for every Semester. There shall be FIVE units in each theory paper. (2)

- (3) There shall be Total Six Questions in each paper. Out of these Six, there shall be One Compulsory Question (based on all five units) and Five Questions on Five units with alternative choice from the same unit.
- (4) Each question will carry 10 marks.
- (5) Each paper will have 3Hrs.duration.

# Layout of Question Paper

Question No.1 Compulsory question based on all 10 Marks five units

Question No. 2 Either/Or (on unit-I) 10 Marks



Question No. 4 Either/Or (on unit-III) Question No. 5 Either/Or (on unit-IV) Question No. 6 Either/Or (on unit-V) Total Marks Semester I

# **1S Mathematics Paper-I**

12

10 Marks

10 Marks

10 Marks

60 Marks

# (Algebra and Trigonometry) (Implemented fro the A.S. 2015-16)

- Unit-I: De Moivre's theorem, roots of complex number, circular functions, hyperbolic function, inverse hyperbolic function. Relation between circular functions and hyperbolic functions. Separation of real and imaginary parts of the circular and hyperbolic functions of complex variable.
- Unit-II: Trigonometric series: Gregory series, Euler's series, Machin's series, Rutherford's series, summation of series, series based upon  $\sin x$ ,  $\cos x$ ,  $\sinh x$ ,  $\cosh x$ , exponential series, logarithmic series and series based upon Gregory series.
- Unit-III: Elements of quaternion: Definition. Equality and addition, multiplication, complex conjugate of a quaternion, norm, inverse, quaternion as a rotation operator, geometric interpretation, a special quaternion product, operator algorithm, quaternion to matrices
- Unit-IV: Theory of equations: Relations between the roots and coefficients, transformation of equations, cubic equations (Cardon method), Descarte's rule of signs, biquadratic equations.
- Unit-V: Matrices: Rank of a matrix, row rank, column rank, eigenvalues, eigenvectors and the characteristic equation of a matrix. Cayley-Hamilton theorem and its application.

#### References Books:

- K.B.Datta, Matrix and Linear Algebra, Prentice Hall of India Pvt.Ltd. New Delhi, 2000.
- 2) H.S. Hall and S.R.Knight, Higher Algebra, H.M.Publications, 1994.
- Chandrika Prasad, Text Book on Algebra & Theory of Equations, 3) Pothishala Private Ltd., Allahabad.
- S.L.Loney, Plane Trigonometry Part-II, MacMillan & Co., London. 4) R.S. Verma & K.S.Shukla, Text Book on Trigonometry, Pothishala 5)
- Pvt.Ltd. Allahabad. Ayres Jr Frank : Matrices : Schaum's outline series, McGraw Hill 6)

Book Company, Singapore, 1983.

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- have to perform 1 (one) experiment)
- Study of laws of Parallel and perpendiculars axes for moment of inertia. 2
- Determination of coefficient of restitution for inelastic collision.
- 3. Moment of inertia of fly wheel. Study of compound pendulum. 4
- 5
- To determine moment of inertia of a body using bifilar suspension.
- 6. Modulus of rigidity by Torsional Pendulum. 7.
- Acceleration due to gravity by Kater's pendulum.
- 8. Study of Oscillations of mass under different combinations of springs.
- 9. Young's modulus by cantilever.
- Young's Modulus by bending of beam. 10.
- 11. Modulus of rigidity by statical method.
- 12. Young's modulus by Vibration Method.
- 13. Modulus of rigidity by Maxwell's needle.
- 14. Coefficient of Viscosity by Poisculle's method.
- 15. Surface tension by Quincke's method.
- 16. Determination of Surface tension by Jager's method.

# Refernce BOOKS : Semester 1S-PHY

- 1. Mechanics - Chadha T K
- Waves and Oscillations Chaudhary R.N. 2
- 3. University Physics I Mechanics of Particles waves and Oscillations Kamal, Anwar
- 4 Mechanics - Shukla R.K.
- Mechanics Shrivastava P.K. 5
- 6. Properties of Matter - Murugeshan R
- Properties of Matter Brijlal
- Text book of vibrations and waves-Puri, MacMillan Publisher India Ltd. 8
- 0 Barkeley Physics course Vol. I Eno Purcell Ed. (McGraw Hill) 10. The Feynmann Lectures in Physics - Vol. I, R.P.Feymann, R.B.Lighton
- & M. Sands 11. Mechnics & properties of matter - D.S.Mathur
- 12.
- Fundamental of Physics Halliday & Resncik (6th edition)
- 13. Concepts of Physics Vol I & Vol II by H.C. Varma

DR. A. B. KUK Co-ordinator IQAC rts & Commerce College, Janud

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#### 9. CHEMISTRY **1S Chemistry** (Effective from session 2013-14)

The examination in Chemistry of First semester shall comprise of one theory paper, internal assessment and practical examination. Theory paper will be of 3 Hrs. duration and carry 80 marks. The internal assessment will carry 20 marks. The practical examination will be of 6 hours duration and carry 50 marks.

The following syllabi is prescribed on the basis of six lectures per week and 6 practical periods per batch per week. Each theory paper has been divided into 6 units. There shall be one question in every unit with internal choice for each of 12 marks & one compulsory question covering all the syllabus of Semester-I (8 marks).

#### B.Sc. Part- I (Semester- I) **1S Chemistry**

**Total Lectures: 84** Marks: 80 Note: Figures to the right hand side indicate number of lectures Unit I 14L

#### A] Periodic Properties:

Atomic and ionic radii. Types of atomic radii (only definitions covalent radius, metallic radius, Van der Wall's radius and ionic radius). Periodic trends in atomic and ionic radii. Ionization energy, electron affinity and electronegativity (definition and periodic trends). Effect of ionization energy and electronegativity on different properties of elements namely metallic and non-metallic character, relative reactivity, oxidizing and reducing properties., Scales of electronegativity Pauling scale and Mulliken Scales. Electronegativity and partial ionic character of a covalent bond. [6]

Screening effect, screening constant and effective nuclear charge. Slater's rules for calculating screening constant. Problems. [2]

#### Ionic bonding: B]

Definition of ionic bond, types of cations. Factors affecting ionic bond formation (energetic of ionic bond formation ionization energy, electron affinity and lattice energy). Born Lande equation (no derivation) to calculate lattice energy. Born-Haber's cycle to determine lattice energy. Solvation and salvation energy, factors affecting salvation energy, Determination of salvation energy. Solubility of ionic solids, lattice energy and salvation energy. [6]

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- 7) T M Karade, Maya S.Bendre, Lectures on Algebra and Trigonometry. 8) Hohn Franz E : Elementary Matrix Algebra, Amerind Publishing Co., Pvt.Ltd. 1964.
- 9) Spiegel M.R. : Comples Variables, Schaum's outline series, McGraw Hill, 1981.
- 10) Shanti Narayan : A Test Book of Matrices, S.Chand & Co. Delhi.
- 11) Jack B Kuipers: quaternion algebra of Quaternions and rotation sequences, Princeton University Press, Fifth printing, 2002.

#### Semester I **1S Mathematics Paper-II** (Differential and Integral Calculus)

### (Implemented fro the A.S. 2015-16)

- Unit-1 : Definition of the limit of a function, basic properties of limits. continuous functions and classification of discontinuities.
- Unit-II : Differentiability, successive differentiation, Leibnitz theorem, indeterminate forms and L'Hospital rule.
- Unit-III : Rolle's theorem, Lagrange's mean value theorem, Cauchy's
- mean value theorem, Maclaurin and Taylor series expansions. Unit-IV: Partial derivatives and differentiation of real valued function of two variables, homogeneous functions, Euler's theorem on homogeneous functions.
- **Unit-V:** Integration of the form  $\int \frac{P_n(x)}{\sqrt{Q}} dx$ , reduction formulae for

 $\int \sin^n x \, dx$ ,  $\int \cos^n x \, dx$  and Walli's formula,  $\int \tan^n x \, dx$ ,

 $\int \cot^{w} x \, dx \, , \, \int \sec^{w} x \, dx \, , \, \int \csc^{w} x \, dx \, , \, \int \sin^{w} x \, . \cos^{w} x \, dx \, ,$ quadrature, rectification,

#### References :

- Ayres F Jr. : Differential equations, Schaum's outline series, McGraw Hill, 1981.
- Ayres F.Jr. Calculus, Schaum's Outline series, McGRaw Hill, 1981 2)
- Karade T.M., J.N.Salunke, M.S.Bendre Graduate level Calculus, Sonu
- Nilu, 5, Bandu Soni layout, Gayatri Road Parsodi, Nagpur. 4) Karade T.M., Maya S. Bendre : Integration and Differential equations, Sonu-
- Nilu, 5, Bandu Soni layout, Gayatri Road Parsodi, Nagpur. Edwards J : Differential Calculus for Beginners, MacMillan and 5)
- Co.Ltd., 1963. Edwards J : Integral Calculus for Beginners, AITBS, Publishers and 61
- Distributors, 1994.
- Forsynth A.R.: ATreatise on Differential Actions, (Sixth Edition) MacMillan and Co.1956. DR. Action of Calculus Harper and Row, 1968. 8)

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#### 14

- Gorakh Prassad: Differential Calculus, Pothishala Pvt. Ltd., Allahabad. 91
- 101 Gorakh Prassad : Integral Calculus, Pothishala Pvt. Ltd., Allahabad.
- Erwin, Kreyszig :Advanced Engineering Mathematics, John Wiley & Sons, 1999 121
- N.Piskunov : Differential and Integral Calculus, Peace Publishers, Moscow, 8. PHYSICS

There shall be one theory paper and one practical of four hour duration for each semester examination of B.Sc. Part-I (Physics).

#### Theory papers :

Semester-I(1S-PHY: Mechanics, Properties of Matter, Waves and Oscillation)

Semester-II(2S-PHY: Kinetic theory, Thermodynamics and electric currents)

Practical : The distribution of marks for practical examination will be as follows

Charles and the second s	0.00
Assignment	10 marks
Experiment	20 marks
Viva-voce	10 marks
Record Book	10 marks

Total	50 marks
a) A student w	ill have to perform at least ten experiments per

- semester.
- b) The semester examination will be of Four Hour duration and student will have to perform one experiment in the semester examination.
- c) In assignment, every student should be asked to submit the detailed report on one of experiments he or she has performed. The detailed report should include the theoretical background of the experiment.

#### Evaluation of the student during the semester :-

The teacher should explain, discuss and demonstrate one experiment per turn in the first twelve turns of the semester. At the same time in every turn, a teacher will have to conduct a test in the first period of the turn, based on the experiment; he or she has explained in the previous turn. The test is to be carried out with the interest to make the student aware of the basics of the experiments. This will enhance the viva voce competence of the student. A record of these tests is to be maintained in the department duly signed by the teacher incharge and head of the

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#### Semester I 1S Chemistry Practicals

#### Marks: 50

Exercise 1: Inorganic Qualitative analysis

**Total Laboratory Sessions: 26** 

12 Laboratory sessions

Semimicro qualitative analysis of inorganic salt mixture containing two acidic radicals and two basic radicals of same or different groups. At least six mixtures to be given.

Analysis of basic radicals to be done by using spot test reagents. Following radicals to be given carbonate, nitrite, sulphite, sulphide, chloride, bromide, iodide, nitrate and sulphate, silver(I), lead(II), copper(II), bismuth(III), cadmium(II), tin(II), arsenic(III), antimony(III), iron(III), chromium(III), aluminium(III), nickel(II), cobalt(II), manganese(II), zinc(II), calcium(II), strontium(II), barium(II), magnesium(II). Exercise II: Organic Preparations 14 Laboratory

#### sessions

- 1. Preparation of acetanilide (Acetylation).
- 2. Preparation of Benzanilide (Benzoylation).
- 3. Preparation of m-di-Nitrobenzene (Nitration).
- 4. Preparation of tri-Bromoaniline from Aniline (Bromination).
- 5. Preparation of Benzoic acid from Benzamide (Hydrolysis).
- 6. Preparation of Benzoic acid from benzaldehyde (Oxidation).
- 7. Preparation of phenylazo B naphthol dyc (Diazotisation).
- 8. Preparation of sulphanilic acid from aniline (Sulphonation).

### Organic Preparations Using Green Chemistry Concept

- 9. Acetylation of primary amine (Preparation of acetanilide).
- 10. Base catalysed Aldol Condensation (Synthesis of dibanzal propanone).

#### Note:

- Student should perform the single stage preparation with the help of given procedure.
- b) Melting point and percentage yield should be reported.
- c) The sample should be submitted.
- d) Students should recrystalize the sample with suitable solvent.
- e) Students should know the reaction and its mechanism of given single

stage preparation. OR. A.W. A. B. KULAD Co-ordinator, IQAC

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Time: 6 hours (One Day Examination)	Marks: 50
Exercise-I	 18
Exercise-II	 18
Viva-Voce	 07
Record	 07

#### **Books Recommended:**

 Principles of Inorganic Chemistry by Puri, Sharma and Kalia- S. Naginchand & Co., Delhi.

Total:

50

- 2. Text book of Inorganic Chemistry by A.K. De, Wiley East Ltd.
- Selected Topics in Inorganic Chemistry by Malik, Tuli and Madan-S. Chand & Co.
- 4. Modern Inorganic Chemistry by R.C. Agrawal, Kitab Mahal.
- Instrumental Methods of analysis by Chatwal and Anand, Himalaya Publishing House.
- 6. Concise Inorganic Chemistry by J.D. Lee, ELBS.
- 7. Inorganic Chemistry by J.E. Huhcey- Harper & Row.
- Fundamental concepts of Inorganic Chemistry by E.S. Gilreath, McGraw Hill book Co.
- 9. Modern Inorganic Chemistry by W.L. Jolly, McGraw Hill Int.
- 10. Chemistry Facts, Patterns & Principles by Kneen, Rogers and Simpson, FLBS
- Theoretical Principles of Inorganic Chemistry by G.S. Manku, Tata McGraw Hill.
- 12. Inorganic complex compounds by Murmann, Chapman & Hall.
- Text book of Inorganic Chemistry by K.N. Upadhyaya, Vikas Publishing House, Delhi.
- Advanced Practical Inorganic Chemistry by Gurdeep Raj, Goel Pulishing House, Meerut.
- 15. Co-ordination Chemistry by D. Banerjee, TMH Publication.
- Text book of Inorganic Chemistry by Marathe, Bhadange, Mopari and Kubade.
- 17. Organic Chemistry by R.T. Morrison & R.T. Boyd, 6th edition, PHI.
- 18. Organic Chemistry by Pine, 5th edition.
- Organic Chemistry Vol. I, II and III by Mukharjee, Singh and Kapoor-Wiley Eastern.

20. Organic Chemistry by S.K. Ghosh.

- 23
- 21. Reaction Mechanism in Organic Chemistry by S.M. Mukharjee and S.P. Singh.
- 22 Spectroscopy of Organic Compounds by P.S. Kalsi.
- 23. Stereochemistry and mechanism through solved problems by P.S. Kalsi.
- Organic Chemistry by TWG Solomons, 4th edition, John Wiley. 24.
- 25. Hand Book of Organic Analysis by H.J. Clarke, Arnold Heinmen.
- 26. Text book of Practical Organic Chemistry by A. I. Vogel.
- 27. Text book of Organic Chemistry by Jamode, Ganar, Makode, Waghmare, Mahajan, Toshniwal.
- Text book of Organic Chemistry by P.S. Kalsi published by Macmillian 28 India Ltd., 1999, Delhi.
- 29 Practical Organic Chemistry by F.G. Mann, B.C. Saunders, Orient Longman.
- 30. Comparative Practical Organic Chemistry (Qualitative Analysis) by V.K. Ahluwalia and Sunita Dhingra, Orient Longman.
- 31. Comprehensive Practical Organic Chemistry (Preparation and Qualitative Analysis) by V.K. Ahluwalia and Renu Agrawal, Orient Longman.
- 32. Physical Chemistry: Walter, J. Moore, 5th edn., New Delhi.
- Physical Chemistry: G.M. Barrow, McGraw Hill, Indian Edn. 33.
- Principles of Physical Chemistry: Maron and Prutton. 34
- 35 Principles of Physical Chemistry: Puri and Sharma.
- Physical Chemistry: P.W. Atkins, 4th Edn. 36.
- 37. Text book of Physical Chemistry, P.L. Sony O.R. Dhrma.
- Physical Chemistry: Levine, 38.
- 39. Practical Physical Chemistry: Palit and De.
- 40. Practical Physical Chemistry: Yadao.
- Practical Physical Chemistry: Khosla. 41.
- 42. Laboratory Mannual of Physical Chemistry: W.J. Popiel.
- 43 Practical Chemistry: Dr. S.B. Lohiya, Bajaj publ., Amravati
- 44 Text book of Physical Chemistry: Satpute, Kabra, Raghuwanshi,
- Wankhade, Jumle and Murarka. 45 Text book of Chemistry, B.Sc.-I, First Semester, Bokey Prakashan, Amravati

#### 10. INDUSTRIAL CHEMISTRY (REGULAR/VOCATIONAL)

The examination in Industrial Chemistry (Regular/Vocational) of First semester shall comprise of one theory paper, internal assessment and practical examination. Theory paper will be of 3 Hrs. duration and carry 80 marks. The internal assessment will carry 20 marks. The practical examination will be of 6 to 8 hours duration and carry 50 marks. The following syllabilities presented on the basis of six lectures per week and 6 practical periods per back per week. Each theory paper has

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been divided into 6 units. There shall be one question in every unit with internal choice for each of 12 marks & one compulsory question covering all the syllabus of Semester-I (8 marks).

#### 15 INDUSTRIAL CHEMISTRY (REGULAR/VOCATIONAL) **Total Lectures: 84** Marks: 80

Note: Figures to the right hand side indicate number of lectures. UNIT-I : [14]

- Dimensions and Units: Fundamental and derived quantities, A] Interconversions of units.
- BI Mole Concept: Mole, Atomic weight, Molecular weight, Equivalent weight, Methods of expressing compositions of i) solid mixtures, ii) liquid solutions, iii) gaseous mixtures Problems based on these.

[14]

[14]

[14]

#### UNIT-II:

- A1 Material Balance without Chemical Reactions: Distillation, Crystallization, Evaporation, Extraction, Filtration with flow sheet diagram and Problems B1
  - Material Balance with Chemical Reactions: Stoichiometric equation, Stoichiometric coefficient, Conversion, Yield, Selectivity, Limiting and excess reactants, Problems.

### UNIT-III :

B]

Energy: General idea about conventional energy sources, and AL non-conventional Energy Sources - Solar energy, Space heating and water heating by solar energy, Production of electricity by solar energy, Tidal power, Wind energy, Biomass energy Energy Balance: Heat capacity, Cp, Cv, Molar heat capacity, Heat of reaction, formation, combustion, neutralisation, Heat of solution. Hess's law of constant heat summation. Problems based on heat of reaction, heat of vaporization, fussion and sublimation.

#### UNIT-IV

- Fuels : Classification, Units of heat and calorific value AI
  - Solid fuels: Coal-Types of coal, Coal formation, Coal analysis (proximate and ultimate), Destructive distillation of coal, Coal tar distillation, uses of coal tar products, Manufacturing of coal gas and water gas.

Liquid fuels: Petroleum-Origin and classification, Fractional distillation of crude oil, Cracking, Mining of petroleum, natu-

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#### 13. BOTANY

There shall be following paper and practical for B. Sc. Part – I Semester one examination. The syllabus is based on six theory periods and six practical periods per week (Total 75 - 80 theory sessions and 25 practical sessions per complete semester). There shall be one compulsory paper of 3 hours duration, in theory as stated below and practical examination extending for 4 hours. Every examinee shall offer the following paper of 100 marks (out of which 80 marks will be for written examination and 20 marks for internal assessment) and practical examination of 50 marks. Candidates are required to pass separately in theory and practical examination.

1.	Paper – 1		Marks	
	a. Theory	-	80	
	b. Internal Assessment	-	20	
2,	Practical	-	50	

#### 150 Marks Total

#### **1S-BOTANY**

#### **Diversity & Applications of Microbes and Cryptogams** UNIT-I : Plant Diversity

- Cyanobacteria and its impact on origin of life 1.1
- Introduction to Plant Kingdom: Cryptogams 12
- 13
- Diversity of plants with respect to habitat, form, nutrition and ecological status
- 1.4 General Account of Viruses and structure of TMV and HIV
- 1.5 Bacteria: structure, Nutrition and reproduction 1.6 Role of microbes in Agriculture, Medicine and Industries

UNIT-II: Algae

- (15) 2.1. Classification according to F. E. Fritsch and G. M. Smith up to classes
  - General characters of algae with reference to Habitat, Thallus organization, Pigmentation, Reserve food and Reproduction 22
  - 23 General characters of following classes with special refer
    - ence to examples mentioned -
    - 2.3.1. Chlorophyta Oedogonium 2.3.2.
    - Chara (Thallus structure and reproduction)
       3.3. Phaeophyta Buckssum (Thallus structure and DR reproduction) 2.3.3.
    - Rhodophyta Batrachospermum 2.3.4.

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UNIT-III : Fungi 3.1.

- Classification according to Ainsworth (1973)

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(15)

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- General characteristics of following classes with spe-3.2 cial reference to examples mentioned -
  - 3.2.1. Mastigomycotina : Albugo (Cystopus)
  - 3.2.2. Ascomycotina : Aspergillus
  - 3.2.3. Basidiomycotina : Puccinia graminis-tritici
  - 3.2.4. Deuteromycotina : General characters
- 3.3 Lichen-Types & Economic importance

#### Unit-IV: Bryophyte

- Classification according to G. M. Smith 4.1.
- 4.2. General characters, thallus organization and life cycle of- Hepaticopsida – Marchantia
   Bryopsida – Funaria
- 4.3. Evolution of sporophyte in bryophytes
- Affinities of bryophytes with algae and pteridophytes 4.4.
- Brief Account on some Indian Bryologist. 45

#### Unit-V: Pteridophyte

6.2

- Pteridophytes as First Vascular Plants. 5.1.
- 5.2. Classification according to G. M. Smith
- General characters of the following classes with special 5.3. reference to examples mentioned -
  - 5.3.1. Sphenopsida Equisetum
  - 5.3.2. Filicopsida Marsilea
- Stele types in pteridophytes 5.4.
- Heterospory and Seed Habit in Pteridophytes 5.5
- Unit-VI: Application of Microbes Cryptogams (15) Economic Importance of Algae with special reference to Food, 6.1.

Industries, Agriculture and Harmful aspects

- Mycorrhiza Types and Application
- Role of Fungi in Industries, Medicine, Food & Agriculture 6.3.
- Plant Diseases 6.4.
  - 6.4.1. Viral-TMV
  - 6.4.2. Bacteria Black arm of cotton
    - (Xanthomonos malvacearum)
    - 6.4.3. Fungal Tikka disease of groundnut
    - (Cercospora sps.)
  - Economical and Ecological Importance of Bryophytes

(15)

#### Note:

a) Student should perform the single stage preparation with the help of given procedure.

b) Melting point and percentage yield should be reported.

c) The sample should be submitted.

d) Students should recrystalize the sample with suitable solvent.

e) Students should know the reaction and its mechanism of given single stage preparation.

**Distribution of Marks for Practical Examination** 

Time: 4 hours (One Day Examination) Marks: 50

Exercise-I ..... 18

Exercise-II ......18

Viva-Voce .....07

Record ..... 07

Total: 50

Syllabus Prescribed for Three Year UG/PG Programme Programme: B.Sc. with Chemistry Semester 2

Code of the Course/Subject	Title of the Course/Subject	(Total Number of Periods)

CHE(2S)T

Chemistry 2S

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#### COs

By the end of this course, the students would be able to:

1. apply the knowledge gained by studying types of bonding, solvation, hybridization and molecular geometries.

- 2. Draw the correct molecular structures, bond order and bond length.
- 3. synthesize commercially important compounds of varying carbon backbone.
- 4. Choose correct synthetic approach to prepare derivatives of industrially important molecules.
- 5. Solve numerical problems related to crystalline state.

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6. Acquire skills to use chemical kinetics to develop mechanism of chemical reactions.

Unit	Content
Unit I	A) Ionic bonding: Definition of ionic bond. Factors affecting ionic bond formation (energetic of ionic bond formation ionization energy, electron affinity and lattice energy). Born-Haber's cycle to determine lattice energy. Solvation and solvation energy, factors affecting solvation energy.
	<b>B)</b> Polarization: Definition, polarizing power, polarizability, effect o polarization on nature of bond. Fajan's rules of polarization and its applications.
	<b>C) Valence bond theory:</b> Directional nature of covalent bond. Hybridization types of hybridization to explain geometries of BeCl <sub>4</sub> , BFa, CH <sub>4</sub> , PCl <sub>5</sub> , SF <sub>6</sub> and IF
	Periods: 14

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# Central Assessment Process, Evaluation And Modration

# inance No.19 of 2001 <u>Central Assessmen</u> ene for Evaluation & Moderation nswer books.

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### Ordinance No. 19 of 2001

An Ordinance for Central Assessment Programme Scheme of Evaluation and Moderation of answerbooks and preparation of results of the examinations, conducted by the University, Ordinance, 2001

WHEREAS it is expedient to provide an ordinance for Central Assessment Programme Scheme of evaluation and moderation of answerbooks and preparation of results of the examinations, conducted by the University, the Management Council is hereby pleased to make the following Ordinance :-

1. This Ordinance may be called "An Ordinance for Central Assessment Programme Scheme of Evaluation and Moderation of answerbooks and preparation of results of the examinations, conducted by the University, Ordinance, 2001."

2. This Ordinance shall come into force with effect from the session 2001-2002.

- 3. In this ordinance unless the context otherwise requires -
  - A) 'Act' means Maharashtra Universities Act, 1994. B) 'Ordinance' means an ordinance made in accordance with the provisions of section 54 of the Act.
  - C) 'Draft Ordinance' means a draft of ordinance prepared for the consideration of the competent authority.
  - D) CAP means Central Assessment Programme.
  - E) BOS means Board of Studies.
  - F) BOE means Board of Examinations.
- 4. Preliminary :-

The conduct of examinations and declaration of results is the important activities of the University. The Central Assessment Programme is being introduced and acted upon with a view to :

1. declaring the results in the shortest possible time,

- 2. increasing the reliability of the results,
- 3. maintaining uniformity and consistancy in the assessment.
- 4. increasing accuracy and efficiency in the declaration of results,
- 5. Introducing moderation system to increase credibility, and
- 6. imbueing confidence amongst the students community
- 5. The Central Assessment Programme :-

The Central Assessment Programme shall consist of the following stages:-

- I. Pre-assessment work,
- II. Assessment and moderation process
- III. Post-assessment work.

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#### I. PRE-ASSESSMENT WORK :-

A) The venue of the Central Asssessment Programme :

- (i) The venue of the Central Assessment Programme shall be in the University Campus.
- (ii) The central assessment programme centre shall be an independent unit, allied with the Examination Department of the University, under the supervision of the Controller of Examinations.
- (iii) The Controller of Examinations shall provide amenities & requirements to the Central Assessment Programme Centre.
- (iv) The charge of the Central Assessment Programme Centre shall be entrusted to the Chief Officer of central assessment programme and he shall remain responsible for smooth and effective working and confidenciality of the CAP Centre.

#### B) Appointments at the Central Assessment Programme Centre :-

- i) The Board of Examinations shall prepare a panel of three persons, for the appointment of the Chief Officer of the CAP centre, from amongst the following :
  - a) The Principal of the affiliated college,
  - b) The Head of the recognised institution,
  - c) The Head of the University Department,
  - d) The Senior faculty member,
  - e) A person having adequate experience of teaching & examination work.
- (ii) The Hon'ble Vice-Chancellor, in consultation with the Controller of Examinations, shall appoint the Chief Officer of the CAP Centre from the panel, prepared by the Board of Examintions, for Summer & Winter examinations of the year.
- (iii) The Controller of Examinations shall communicate the appointment of the Chief Officer of the CAP Centre well in advance.
- (iv) Appointed Chief Officer of the CAP centre shall communicate his acceptance to the Controller of Examinations, along with the undertaking in the prescribed form (Appendix-A)
- (v) The other Officers at the CAP centre shall be appointed by the Central Assessment Programme Committee as prescribed in the Central Assessment Scheme, of the University.
- (vi) The appointments of the officers at CAP centre shall be communicated to them by the Chief Officer of CAP centre. They shall have to acknowledge the acceptance and shall have to give undertaking along with a joining report at the CAP centre in person.
- (vii) The required supporting staff at the CAP centre shall be appointed by the Chief Officer of CAP centre as prescribed in the Central Assessment Scheme of the University.
- (viii) The Chief Officer and other Officers at the CAP centre shall be entitled for honorarium as dicided by the University from time to time.
- (ix) The supporting staff at the CAP centre shall be paid as per the approved rates as decided by the University from time to time.

#### C) The Powers & Duties of the Chief Officer and Officers at the CAPCentre:-

- (i) The Chief Officer shall be the administrative head of the CAP Centre and in combination with the Controller of Examinations he shall have to plan and co-ordinate the entire assessment programme at the CAP Centre.
- (ii) He shall have to supervise the performance of other officers and supporting staff and to provide the required assistance at the CAP Centre.



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- (iii) He shall have to prepare the shedule of collection of answerbooks and declaration of results and dispatch necessary instructions to the collection centres and examination centres.
- (iv) He shall have to invite the examiners and moderators and get the work of evaluation and moderation done as per the procedure laid down in the approved Central Assessment Scheme of the University.
- (v) He shall be the vigilence officer and hence shall have to maintain the discipline and confidenciality at the CAP Centre.
- (vi) He may forbid the entry of any person or releave any officer or supporting staff member, if warranted at the CAP Centre without any intimation.
- (vii) He shall be the financial disbursing officer and shall have to make payments to the examiners, moderators, officers and supporting staff of the CAP centre.
- (viii) He shall have the powers of emergent expences to provide urgent needs at the CAP Centre.
- (ix) He and the Controller of Examinations are jointly entitled to draw the required advances and maintain a seperate account in the Bank.
- (x) The Chief Officer shall have to maintain the records of expences and submit the statement of expenditure to the University immediately after the CAP work is over.
- (xi) The Chief Officer shall have discreationary powers as the trusty of the University to take spot decisions which he feels necessary, urgent, and beneficial to guard the interest and credibility of the University.
- (xii) The other Officers at the CAP Centre shall have to assist, co-operate and help the Chief Officer and follow his instructions in getting the entrusted work done and maintain strict secrecy of their work.

## D) The Central Assessment Programme Committee :-

- (i) There shall be the Central Assessment Programme Committee, which shall consist of the following :-
  - (a) Three persons of which one shall be Chairman nominated by the Board of Examinations from amongst its members.
  - (b) A person having adequate experience of examinaton work, nominated by the Board of Examinations.
  - (c) The Chief Officer of the CAP centre shall be an ex-officio member.
  - (d) The Controller of Examinations shall be the member Secretary.
- (ii) The CAP Committee shall prepare the guidelines, norms and procedure in respect of conduct of University examinations and the CAP Centre.
- (iii) The CAP committee shall prepare and recommend to BOE draft rules, regulations and ordinances pertaining to the conduct of examinations and the CAP centre.
- (iv) The CAP Committee shall opine and interprit existing rules, regulations and ordinances relating to Evaluation and Moderation at the CAP centre.
- (v) The CAP committee shall investigate and report to the BOE on all matters and issues, referred to it.
- (vi) The CAP Committee shall decide and recommend to BOE, if required, the matters relating to the work of evaluation, moderation and preparation of results at the CAP Centre, referred to it by the Chief Officer of the CAP Centre.
- (vii) The CAP Committee shall work as a guardian of the approved Central Assessment Scheme of the University and may suggest innovative ideas towards the improvement of the Central Assessment Scheme and conduct of examinations for the consideration
   DRand approval Affethe BOE.

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- Appointment & Invitation to Examiners/Moderators :-E)
  - The Board of Studies shall recommend the names of suitable persons for inclusion in the panels for appointments by the Board of Examinations as examiners and (i) Moderators for evaluation and moderation of answerbooks of the University examinations,
  - The Board of Studies shall prepare & recommend the panels of examiners/ moderators, subjectwise/paperwise. The names of paper setters be included in the (ii) panels of examiners or moderators, but the names of moderators shall not be included in the panels of examiners of that perticular paper. However, the names of moderators may be included in the panels of examiners of another paper.
  - The requirement of the numbers of examiners/moderators to be appointed shall be ascertained by the Controller of Examinations taking into considerations the (iiii) numbers of examinees appearing for that subject/paper and shall be communicated to the Board of Studies concerned.
  - The moderators to be recommended by the BOS shall be approved teachers, having not less than ten years of teaching experience of under graduate classes or five (iv) years of post-graduate teaching experience of that subject / paper. However, if such teachers are not available the teachers with less experience may be appointed. Provided further that in case of non-availability of experience teachers, expert persons may be appointed.
  - The ratio of appointment of moderators shall ordinarily be one moderator for five (V) examiners.
  - The Controller of Examinations shall provide numerical data of examinees appearing for different examinations and approved panels of examiners / moderators along (vi) with other relevant information to the Chief Officer of CAP Centre.
  - (vii) The Chief Officer of CAP Centre shall make arrangements regarding space and supporting staff at the CAP Centre for the work of evaluation and moderation to be done simultaniously.
  - (viii) The Chief Officer of CAP Centre shall send invitation letters to the examiners/ moderators included in the panels approved by BOE, well in advance along with other relevent information.
  - The examiners/moderators shall not refuse the appiontment and shall report to the (ix) CAP Centre at the appointed date and time.
  - The appointed examiners/moderators shall communicate their acceptance or otherwise to the Chief Officer of CAP centre. If no communication is made it will (x) be presummed that they have accepted the said appointments.
  - In case the panels of examiners/moderators as approved by BOE are exhausted and still the work is pending the Chief Officer of CAP Centre shall make appointments (xi) of examiners/moderators from the teachers list to get the work done, subject to post facto approval of the BOE.
  - (xii) If circumstances warrant the Chief Officer of CAP Centre in consultation with the Controller of Examinations, shall take emergent decision or action to regulate evaluation & moderation and inform the same to Hon'ble Vice-Chancellor at the earliest.
  - (xiii) The examiners and moderators shall be entitled for TA & DA and remuneration for evaluation/moderation of answerbooks, as prescribed under Central Assessment Scheme and the changes made therein from time to time by the University.

#### Collection of Answerbooks. 3)

There shall be districtwise "Collection Centres" where the answerbooks from the Dexamination centres in the district shall be collected as per programme provided (i) by the Chief, Office A de CAPocentesce College ts & Commerce College, Jarud, Jarud, Ta. Warud, Dist. Amravati

- (ii) The venue of the District Collection Centres shall be decided by the Controller of Examinations.
- (iii) The Controller of Examinations shall appoint the Principal/Senior faculty member of the College as the District Collection Officer, who shall avail of the services of one faculty member as Assistant Collection Officer and one clerical assistant and inform the names to the Controller of Examinations.
- (iv) The District Collection Officer and Assistant Collection Officer shall get the honorarium at par with the Officers at the CAP Centre. The clerical assistant shall get the admissible allowances as prescribed in the Central Assessment Scheme.
- (v) The District Collection Officer shall receive the sealed bundles of answerbooks from the centres of examinations in the district, maintain the record and despatch the same to the CAP Centre at the University Campus as per programme, provided by the Chief Officer of CAP Centre.
- (vi) The procedure of recording and despatch as laid down in approved Central Assessment Scheme shall be followed scrupulously at the District Collection Centres.
- (vii) There shall be a "Transport Officer" to be appointed by the Controller of Examinations from amongst the regular class-II & class-III employees of the University and a transport vehicle shall be provided at his disposal with one assistant.
- (viii) The Transport Officer shall be responsible for Transportation of answerbooks from the District Collection Centres to the CAP Centre at University campus. The procedure and programme of transportation shall be decided by the Chief Officer of CAP Centre in consultation with the Controller of Examinations.
- (ix) The Transport Officer and the Assistant shall be entitled for TA & DA as per University rates.
- (x) It shall be the responsibility of the Principal/Officer-in-charge of examination centres to see that the answerbooks of the examinations held at the concerned centres are sent properly to the District Collection Centre or CAP centre as per the instructions and programme provided by the Chief Officer of CAP centre from time to time.

## G) Preparation at the CAP Centre :-

- (i) The Officer of CAP centre shall make adequate arrangements to receive sealed bundles of answerbooks coming from the District Collection Centres / Examination Centres from time to time, as per scheduled programme.
- (ii) On receipt of the answerbooks at the CAP centre, the officer and supporting staff for this work shall check the number of answerbooks, docket reports and ascertain as to whether the number of examinees present and absent indicated in the docket reports are correct. In case of any discrepancy, it shall be informed immediately to the District Collection Centre and / or concerned Examination Centre and shall be resolved, if need be, in consultation with the Section Officer of the University or the Controller of Examinations.
- (iii) It shall be seen that all the answerbooks of the subjects, are received from the centres of examinations. This shall be checked with the subjectwise and centrewise numericals and DOW of the examinations concerned. In case of non receipt of answerbooks from any Examination Centres, the Chief Officer of CAP centre shall take immediate steps for receiving the said answerbooks from the concerned Examination Centre.
- (iv) The docket reports of the officer-in-charge of the examination Centres and the entry forms of the District Collection Officers shall be filed seperately. The bundles packed in a improper manner be seperated and further decision regarding their valuation shall be taken in consultation with the Controller of Examinations.
- (v) The varified bundles of answerbooks, facultywise and subjectwise shall be handed over to the Masking Section for masking, coding and preparing bundles for valuation.

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#### The Division of work at the CAP Centre :-H)

The assessment, moderation, scrutiny and unmasking of answerbooks and preparation and declaration of results is a linked process. The entire programme as per the nature of the work shall be divided into the different sections as prescribed in the Central Assessment Scheme.

There shall be a Section Officer for each section along with other facultywise officers and supporting staff as per requirements. The working of the different sections shall be performed in accordance with the norms and procedure laid down in the approved Central Assessment Scheme of the University and the changes made therein by BOE from time to time. The detailed working instructions shall be given to the Section Officers by the Chief Officer of CAP centre. All the persons and staff engaged in this work shall observe strick discipline and confidentiality of the work done at the CAP centre.

## II. ASSESSMENT AND MODERATION PROCESS.

#### Assessment procedure :-A)

- All answerbooks shall be masked as per instructions and the bundles shall be prepared randemly and coded as instructed in the Masking Section. The coded bundles of (i) masked answerbooks then shall be handed over to Valuation Section for assessment.
- Valuation Section shall be divided into facultywise sub sections. The examiners (ii) shall be invited as per assessment programme.
- The examiners shall report to their respective section only and assess the bundles iii) of masked answerbooks as per instructions provided to them from time to time. They will use only red ink pen for assessment. They shall not be allowed to take answerbooks out of the section / room for any reason.
- The examiners shall be very careful and shall maintain consistency and uniformity iv) in assessment of answerbooks.
- If the examiners detect or notice any discrepancy in the question paper, if any, V) shall report the matter to the Chief Officer through the section officer to take remedial measures in that respect.
- The examiners shall detect any sort of indentification mark/s used by the examinee and / or foul and vulgar writing in the answerbooks, if any, and shall report such (vi) cases to the Chief Officer through the section officer with written remark/s. If satisfied, the Chief Officer of the CAP centre shall forwared such cases to 32(6)(a) committee for investigation and recommendations to the BOE.
- If the examiners notice unfairmeans while assessing the answerbooks they shall vii) report to the Chief Officer through the section officer with remark. Such cases shall be forwarded to the 32(6)(a) committee for investigation and recommendations to the BOE.
- The examiners shall be paid TA, DA and remuneration at the CAP centre after viii) completion of the assessment work as per rules approved, and the changes made therein from time to time, by the University.

#### SCRUTINY OF ANSWERBOOKS :-B)

- Immediately after assessment, the scrutiny of all the masked answerbooks shall i) be done.
- For the purpose of scrutiny, preferably the graduate ladies may be employed as ii) checkers on approved rates.
- They shall go through the answerbook page by page and check that the marks iii) carried on cover page are correct, unvalued portion is not left, marks are not awarded to irrelevant answers and obscence writting, solved answers are according to question paper, identification marks or unfairmeans etc. are not left undetected. The checkers shall use only green ink pen for checking the answerbooks.

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iv) The checkers shall report the discrepancies as mentioned in sub para (iii) to the Section Scrutiny Officer, who after varification shall get the corrections done by the original / competent examiner under his/her signature. The Scrutiny Officer shall also counter sign the corrections. All corrections shall be made in violet ink pen only. Discrepancies regarding identification, unfairmeans, obscence writting shall be reported to Chief Officer of CAP centre for further action.

## C) MODE OF MODERATION :-

- i) The moderators shall report at the appointed hour and date and place as determined by the Chief Officer of Central Assessment Programme Centre.
- ii) Moderation work shall be carried out simultaneously with the Central evaluation of the answerbooks at the Central Assessment programme Centre.
- 100% of moderation of the answerbooks of all the examinations shall be carried out in case the examinees failing by 10% of marks of the aggreagate prescribed for that theory paper/subject.
- iv) 100% of moderation of the answerbooks of all the examinations shall be carried out in case the examinees obtained 70% or more marks of the aggreagate marks prescribed for that theory paper/subject.
- v) The moderation of answerbooks of at least 5% of the remaining number of answerbooks of the examinees appeared for that paper/subject shall be undertaken on random sample basis.
- vi) The moderators shall value meticulously the masked answerbooks provided for moderation and award the marks and sign the answerbooks, as per instructions provided to them. They shall use only black ink pen for valuation and posting of marks.
- vii) If the moderators detect or notice any identification or unfairmeans while moderating the answerbooks they shall report such cases to the Chief Officer of the CAP centre through the Section Officer for further disposal.
- viii) If the difference of marks between the marks awarded by the original examiner and the moderator is less than 5% of the marks prescribed, then the scored marks of the examinee shall remain unchanged and the marks awarded by the original examiner shall be taken as final.
- ix) If the difference of marks between the marks awarded by the original examiner and the moderator is more than 5% and less than 15% of the marks prescribed, then the scored marks shall change and the marks awarded by the moderator shall be taken as final.
- x) If the difference of marks between the marks awared by original valuer and the moderator is more than 15% and less than 25% of the marks prescribed then the scored marks of the examinee shall change and the marks to be awarded shall be the mean of the marks awarded by the original valuer and moderator.
- xi) If the difference of marks between the marks awarded by the original examiner and the moderator is more than 25% of the marks prescribed, then such cases shall be reported to the Chief Officer of Central Assessment Programme Centre by the section officer and he shall then call the third subject expert from the panel given by the BOS. who is having not less than ten years of teaching experience and get such masked answerbooks valued. In such cases the original scored marks shall change and marks to be awarded shall be an average of closer two out of the marks awarded by three examiners. If the marks awarded by all the three examiners are equally closed, the final marks shall be the average of higher two.
- xii) The Chief Other of Central Assessment Programme centre, after the procedure of preparation of results is over shall prepare the chart of such cases as mentioned in sub para (xi) and submit the same along with related answer books to the Controller of Examinations, who shall submit them to 32(6)(a) committee for investigation and recommendations.

xiii) The 32(6)(a) committe shall varify and ascertain the negligence, if any, on the part of original examiner or moderator, and recommend the necessary action to be taken against such valuer/moderator to the Board of Examinations.

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- xiv) The process of investigation by the 32(6)(a) committee shall be completed ordinarily within 30 days from the declaration of the results.
- The Board of Examinations shall be the final authority to decide the action to be xv) taken against the wrong doer.

## D) PROCEDURE OF MODERATION

- Moderation work shall be carried seperately at the Central Assessment Programme i) Centre. The moderation fee of Rs.25/- for under graduate examinations and Rs.30/ - for post graduate examinations shall have to be paid by the concerned examinees.
- As soon as the coded and valued bundle of masked answerbooks is received the ii) section officer shall pull out the answerbooks of three categories, namely (a) 100% failing by 10% (b) 100% obtaining 70% and above marks and (c) 5% random answerbooks from the valued bundle.
- The signature and marks alloted by the original valuer / moderater on the seperated iii) answer book/s shall be masked and a fresh marking sleep for the use of moderater / third subject expert shall be pasted on the cover page of the answer book/s.
- The further procedure of recording of the seperated answerbooks, preparing a seperate iv) bundle of them, handing over to moderators / third subject expert, incerting them in the original bundle after the moderation in the original bundle, despatching of questionable answerbooks to be investigated by the 32(6)(a) committee etc. shall be done as per the instructions of the Chief Officer of the CAP centre.

#### **POST ASSESSMENT WORK :-**Ш.

#### Demasking and Decoding of Answerbooks :-A)

- Once the final marks of answerbooks are decided after moderation, then only the i) answerbooks shall be unmasked as per the procedure.
- The answerbooks shall be re-arranged serially, centrewise and subjectwise/paperwise. ii)
- The serially arranged answerbooks shall be re-bundled, re-numbered controlsheetwise iii) / marklistwise and shall be tied along with the relavent controlsheets (Green & Black) / marklists.

#### Filling of Control sheets/marklists: **B**)

- The marks scored by the examinees shall be entered in the controlsheets (Green i) & Black) / marklists (Foil & Counter Foil) preferably by the post graduate ladies.
- They shall fill in the controlsheets (Green & Black ) / marklists (Foil & Counter ii) foil) preferably with black ink pen only.

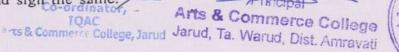
#### Talling of Control sheets/ marklists :-C)

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- The filled marks in the control sheets / marklists shall be tallied with the marks i) on the cover page of the answerbooks and shall be certified accordingly by the Section Officer/s.
- The corrections, if any, shall be made in the control sheet / marklist by the Section ii) Officer/s and sign the same in violet ink only.

#### Tabulation of Results :-D)

- The officers appointed for tabulation shall prepare the final results. i)
- They shall be provided the certified marklists (Foil & C/Foil) and the Tabulation ii) Registers.
- Pair of tabulators shall fill the marks in the Tabulation Registers and prepare the iii) final results in applicate as per the provisions of the concerned examination ordinances and sign the same. Principal



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- iv) A pair of other officers shall make a thorough scrutiny of the Tabulated Result sheets (Foil & Counter foil) and sign the same as scrutinisers.
- v) The Chief Officer of CAP Centre shall send such finalised results to the Controller of Examinations for declaration.
- vi) The filled-certified controlsheets (Green & Black) shall be sent to the computer centre of the University to prepare computarised results.
- vii) The computer section, as per the pre-arranged programme and after feeding the marks of the control sheets, shall prepare the check lists of different examinations. Those check lists shall be checked by the designated competent office staff of the University who shall certify the same.
- viii) Then only the final computarised results shall be printed and sent to the Controller of Examinations duly signed for declaration.
- 6. Original Ordinance No. 159 shall stand repealed.

### FORM OF UNDERTAKING

UNIVERSITY OF-

hereby give

Appendix - A

I, Professor/Dr.\_\_\_\_\_\_ nereby give undertaking that, I solemnly and willfully accept the responsibility of carrying out the work of central assessment programme as a COCAP entrusted to me by the University vide its letter no.\_\_\_\_\_\_ \_\_\_\_\_ dated\_\_\_\_\_\_ I further declare that I shall,

- 1. Strictly follow the instructions issued to me from time to time by the University authorities.
- 2. Make all the necessary arrangements for smooth and timely conductance of the Central Assessment work.
- 3. Take all the necessary steps of carrying out the pre-assessment, assessment and moderation and also post-assessment processes in strict confidential manner.
- 4. Forward the marklist duly complited and assessed answer-books back to the University office within the time limit prescribed by the University.
- 5. Incur the necessary expenditure within the scope of instructions issued by the University.
- 6. Forward the audited accounts / statements to the University authorities within the stipulated time.
- Forward the report of the Central Assessment Programme to the University within the time stipulated.
- 8. Co-operate with the University officials in the manner as deemed fit.

Signed today on-	day of	- Two thousand
R. A. PROKADE Co-ordinator, IQAC commerce College, Jarud	Signature Name in Full Designation Designation Name of the College/ Institution/Univ Dept. Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati	

### Ordinance No. 21 of 2001

### An Ordinance of general rules regarding appointment of Paper Setters/Examiners/ Moderators/ Officers-in-Charge/Co-Officers-in-Charge/Central Assessment Officer and conduct of University examinations etc., Ordinance, 2001.

Whereas it is expedient to provide an Ordinance of general rules regarding appointment of Paper Setters / Examiners / Moderators / Officers-in-Charge/Co-Officers-in-Charge / Central Assessment Officer and conduct of University examinations etc., the Management Council is hereby pleased to make the following Ordinance :-

- This Ordinance may be called "An Ordinance of general rules regarding appointment of Paper Setters / Examiners / Moderators / Officers-in-Charge/Co-Officers-in-Charge / Central Assessment Officer and conduct of University examinations etc., Ordinance, 2001."
- 2. This Ordinance shall come into force with effect from the session 2001-2002.
- 3. In this ordinance unless the context otherwise requires -
  - A) 'Act' means Maharashtra Universities Act, 1994.
  - B) 'Ordinance' means an ordinance made in accordance with the provisions of section 54 of the Act.
  - C) 'Draft Ordinance' means a draft of ordinance prepared for the consideration of the competent authority.
  - D) BOE means the Board of Examinations.
  - E) CAP means the Central Assessment Programme.

#### Part "A"

- 1. The Paper Setters / Examiners/Moderators shall be appointed by the Board of Examinations in accordance with the provisions of section 32 of Maharashtra University Act-1994.
- 2. No person can claim appointment as paper-setter / examiner / moderator or any other appointment related to examination work as a matter of right.
- 3. Appointments of persons as paper setters /examiners/moderators shall be ordinarily made at the time of annual examination. However, if it is necessary to do so the appointments of paper setters/examiners/moderators may be made at the time of suplimentory examination / semister examination.



Principal

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- The Paper setters / examiners / moderations or any other appointees in connection with 4. examination work shall not refuse to accept the assignment of the examination work. However if there is a genuine inability in accepting the assignments, they should communicate to the Controller of Examinations, mentioning reasons within the prescribed time limit.
- The paper setters / examiners / moderators/other appointees shall communicate their 5. acceptance to the Controller of Examinations or signatory officer as the case may be, within the prescribed time limit. If no communication is received within the prescribed time limit it will be presumed that the assignment is accepted. On expiry of time limit, in no case, they shall remain absent at the appointed place, date and time.
- The paper setters and moderators shall have at least ten years of under graduate teaching 6. experience and / or five years of post graduate teaching experience of the paper. The examiners shall have at least three years of teaching experience of the subject/paper. However, if such teachers are not available the teachers with less experience may be appointed. Provided further that in case of non-availability of experience teachers, expert persons may be appointed.
- The paper setters / examiners / moderators shall follow all the directions given by the 7. University from time to time in respect of pattern of question papers, setting of question papers, model answers, scheme of marking etc.

#### Part-"B"

- The examination forms of the regular students as well as external and ex-students shall 1. be accepted by the Principal/s within the time prescribed by the University from time to time. The forms so accepted shall be scrutinised and corrected and the categoriwise numerical list of the examinees appearing from that college/s shall be submitted to the office of the Controller of Examinations before the scheduled date along with the demand draft of fees so collected, in the name of the Registrar.
- The office of the Controller of Examinations shall send the required answer books, question 2. papers and all other required material to the examination centre/s as per the programme prepared for the purpose so that examinations can be conducted smoothly.

#### Part-'C'

- The Principal / approved officiating Principal of the concerned college shall be the Officer-In-Charge of the University Examinations. If substitute arrangement is required to be made 1. under exceptional circumstances the Principal shall recommend the name of senior teacher to be appointed as officer-in-charge by the University. However the principal shall alone be responsible for any lapses occuring during the conduct of examinations. If no Principal / approved officiating principal is available, University shall appoint any other teacher as officer-in-charge for the University Examinations. He shall be responsible for the any lapses occuring during the conduct of examinations.
- The Co-officer-in-charge having seven years of teaching experience shall be appointed at each examination centre by the Standing Examination Committee, constituted for the 2. purpose by the B.O.E.. He shall give his acceptance letter within the prescribed time limit to the Controller of Examinations.
- The second Co-officer-in-charge, may be appointed by the Standing Examination Committee to assist the Principal and first Co-officer-in-charge as per the requirement 3. of the Examinaton Centre.
- The Co-Officer-in-Charge first and second as the case may be, shall assist the Officer 4. in Charge of the centre during the conduct of examinations. He shall report to the Officerin-Charge, where the examination centre is located, one day earlier to ensure the arrengements for the conduct of examinations. He shall not leave the centre without prior permission of me Controller of Examinations during the examination period.

The Co-officer-in-charge shall ensure that all the physical arrangements for smooth conduct 5. of examinations are adequately made. Commerce College Jarud, Ta. Warud, Dist. Amravati TS & Commerce College, Jarud



- 6. The Co-officer-in-charge shall ensure that the bundles of answerbooks, control sheet, dispatch plan of written answerbooks, stationary and other required material for the conduct of examinations including the question papers are received at the centre. He shall also ensure that the packets of the question papers are intact and duly sealed and tallies the numerical and time table of examinations.
- 7. The bundles of the answer books and question papers shall remain in the custody of the officer in charge of the centre. If officer in charge feels it expedient, he may keep the sealed question papers in the charge of the local police station authority.
- 8. The Officer in charge shall open the bundles of question papers in the presence of the co-officer-in charge and two witnesses 20 minutes before the start of examination and the said packets are to be signed by both, with date. The account of question papers shall be maintained accurately.
- 9. The co-officer in charge shall ensure that the answerbooks are distributed to the examinees 10 (ten) minutes before the start of examination. The account of the answer books shall be maintained accurately.

#### Part-'D'

- 1. The Officer in charge shall immediately after the examination of that day is over, despatch the written answer books, duly packed and sealed along with the Black Control Sheets, to the District Collection Centre /Central Assessment Centre as per the instructions of the Cheif Officer of the CAP centre of the University from time to time.
- 2. The District Collection Officer / Chief Officer of the CAP centre, shall receive the sealed bundles of written answer books sent by the officers in charge of the concerned examination centre/s.
- 3. The Chief Officer of the CAP centre shall arrange for the assessment of the written answer books centraly as per the Central Assessment Scheme, as approved by the Board of Examinations.
- 4. The Chief Officer of the CAP centre shall arrange for the moderation of answer books symulteniously as per the scheme approved by the Board of Examinations.
- 5. The Chief Officer of the CAP centre shall get the Control Sheets (Green & Black) / marklists (Foil / Counter Foil) prepared and submit them to the tabulation section/computer centre which shall proceed immediately to prepare the result/s.
- 6. The Controller of Examinations shall ordinarily declared the results of the concerned examination within the specified period as provided in the Act. He shall despatch the results along with the statment of marks to the colleges for declaration of results and distribution of statement of marks to the students.
- 7. The answerbooks of the examinations shall be preserved for the period of at least three months from the date of declaration of results of the examinations concerned.

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## Ordinance No. 22 of 2001

## An Ordinance for unfairmeans, malpractices and lapses on the part of students or persons, connected with the conduct of Examination and Evaluation, Ordinance, 2001.

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Whereas it is expedient to provide an Ordinance for unfairmeans, malpractices and lapses on the part of students or persons, connected with the conduct of Examination and Evaluation, the Management Council is hereby pleased to make the following Ordinance :-

1. This Ordinance may be called "an Ordinance for unfairmeans, malpractices and lapses on the part of students or persons, connected with the conduct of Examination and Evaluated Ordinance, 2001."

2. DRThis Ordinance shall come into force with effect from the session 2001-2002.

Co-ordinator, IGAC Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

- A) 'Act' means Maharashtra Universities Act, 1994.
- B) 'Ordinance' means an ordinance made in accordance with the provisions of section 54 of the Act.
- C) 'Draft Ordinance' means a draft of ordinance prepared for the consideration of the competent authority.
- D) CAP means Central Assessment Programme

#### PART ONE

#### Unfairmeans & malpractices resorted to by the student(s) :-

#### 1. Powers of Inquiry and Punishment.

On receipt of a report regarding use of unfair means by any student at any University examination, including breach of any of the rules laid down by the University Authorities, for proper conduct of examination, the Board of Examinations shall have power at any time to institute inquiry and to punish such unfair means or breach of the rules by exclusion of such student from any University examination for a specified period or from any University course in a College or Recognised Institution or in the University Department or from any Convocation for the purpose of conferring degree either permanently or for a specified period, or by cancellation of the result of the student in the University examination for which the student appeared or by deprivation of any University scholarship held by him/her or by cancellation of the award of any University prize or medal to him/her or in any two or more of the aforesaid ways.

#### 2. Competent Authority

The Board of Examinations of the University constituted under the provisions of section 31(3) shall be the competent authority to take appropriate disciplinary action against the students using, attempting to use, aiding, abetting, instigating or allowing to use unfair means at the examination conducted by the University.

#### 3. Definition-Unless the context otherwise requires :

- (a) "Student" means and includes a person who is enrolled as such by the University for receiving instruction qualifying for any degree, diploma or certificate awarded by the University. It includes ex-student and student registered as external examinee for any of the degree, diploma or certificate examination.
- (b) "Unfair means" includes one or more of the following acts or omissions on the part of student/s during the examination period.
  - (i) Possessing unfairmeans material and or copying therefrom
  - (ii) Transcribing any unauthorised material or any other use thereof.
  - (iii) Intimidating or using obscene language or threatening or use of violence against invigilator or person on duty for the conduct of examination or manhandling him/her or leaving the examination hall without permission of the invigilator/ person on duty or causing disturbances in any manner in the examination proceedings.
  - (iv) Unauthorisely communicating with other examinees or any one else inside or outside the examination hall.
  - (v) Mutual/Mass copying.
  - (vi) Smuggling-out, either blank or written, or smuggling-in of answer books as copying material, or smuggling out or in of printed question paper.
  - (vii) Smuggling-in blank or written answerbook and forging signature of the Invigilator/person on duty, thereon.

(viii) Interfering with or counterfeiting of University seal, or question paper or answer

(ix)rdi Insertion of Augency notes in the answer books or attempting to bribe any to accommerce College

of the persons connected with conduct of examinations.

- (x) Impersonation at the University examination.
- (xi) Revealling identity in any form in the answer written or in any other part of the answerbook by the student at the University examination.
- (xii) Or any other similar act/s and/or omission/s which may be considered as unfairmeans by the competent authority i.e. Board of Examinations.
- (c) "Unfairmeans relating to examination" means and includes directly or indirectly committing or attempting to commit or thereatening to commit any act or coercion, undue influence or fraud or malpractice with a view to obtaining wrongful gain to him or to any other person or causing loss to other person/s.
- (d) "Unfairmeans material" means and includes any material whatsoever, related to the subject of the examination, printed, typed, handwritten or otherwise on the person or on clothes, or body of the student (examinee) or on wood or other material, in any manner or in the form of chart, diagram, map or drawing or electronic aid etc. which is not allowed in the examination hall.
- (c) "Possession of unfairmeans material by a student" means having any unauthorised material on his/her person or desk or chair or table or at any place including bag or purse within his/her reach, in the examination centre and its envirous or premises at any time from the commencement of the examination till its conclusion.
- (f) "Student found in possession" means a student, reported in writing, as having been found in possession of unfairmeans material by Invigilotor, Co-Officer, Officer-In-Charge, member of the competent authority or vigilantes or any other person authorised for this purpose, in this behalf, even if the unfairmeans material is not produced as evidence because of it being reported as swallowed or destroyed or snatched away or otherwise taken away or spoiled by the student or by any other person acting on his behalf to such an extent that it has become illegible. Provided report to that effect is submitted by the co-officer or officer-In-charge or any other authorised person to the Controller of Examinations or any officer authorised in this behalf.
- (g) "Material related to the subject of examination" means and includes, if the material is produced as evidence, any material certified as related to the subject of the examination by a competent person and if the material is not produced as evidence or has become illegible for any of the reasons referred to in clause (f) above, the presumption shall be that the material did relate to the subject of the examination.
- (h) "Officer-In-Charge" means Principal of the College concerned where concerned examination is being conducted, or a faculty member duly authorised by him and approved by the University or person appointed as officer-in-charge of examinations, by the University.
- (i) "Co-Officer-In-Charge" means a person duly appointed by the University, to assist the officer-In-charge to conduct the University examinations.

# 4. Procedure of dealing with the Unfairmeans Cases at Examination Centre.

4. Procedure of hearing with the contact of the During examination, examinees and other students shall be under disciplinary control of the officer-in-charge and co-officer-in-charge. In case of unfairmeans he / they shall follow the procedure as under :-

- (a) The student shall be called upon to surrender to the officer-in-charge/co-officerin-charge unfairmeans material found in his or her possession, if any, and his/her answerbook.
- (b) Signature of the concerned student shall be obtained on the relevant material and DRIist thereon. Concerned invigilator, co-officer-in-charge shall also sign on all the

relevant inaterials and documents. relevant inaterials and documents. CArts & Grarement or ined student, and his hers undertaking in the prescribed format and the prescribed format and

statement of the concerned Invigilator and co-officer in charge shall be recorded in writing by the officer-in-charge [Appendix-C ,Format A & B]. If the student refuses to make statement or to give undertaking the concerned co-officer in charge and officer-in-charge shall record accordingly under their signatures.

- (d) The Officer-in-charge shall take one or more of the following decisions depending upon seriousness/gravity of the case:
  - Confiscate his/her answerbook along with unfairmeans material, mark it as i) "suspected unfair means case" obtain the statement in the prescribed format [Appendix-C, Format-A] and if demanded issue him/her fresh answerbook duly marked as "Second Answerbook."
  - ii) Obtain undertaking from the student in the prescribed format [(Appendix-C, Format-C] to the effect that decision of the concerned competent authority in his/her case shall be final and binding and allow him/her to continue with his/her remaining examinations.
  - iii) In the case of impersonation or violence, expel the concerned student from the examination and not allow him/her to appear for remaining examination and report the action taken to the Controller of Examinations.
  - May report the case to the concerned Police Station in a prescribed format iv) [Appendix-C-Proforma - A) as per the provisions of Maharashtra Act.No.XXXI 1982- An Act to provide for preventing malpractices at University, Board and other specified examination. The information of procecution shall be sent immediately to the Controller of Examination in the prescribed proforma [Appendix-C-Proforma-B]
  - V) All the materials and list of material mentioned in sub-clause (a) and the undertaking with the statement of the student and that of the Invigilator as mentioned in sub clause (b) and (c) and the answerbooks/s shall be forwarded by the Officer-in-Charge, alongwith his report, to the Controller of Examinations in a separate and confidential sealed envelop marked "Unfair means case."
  - vi) In case of unfairmeans of oral type the invigilator and / or co-officer in charge or concerned authorised person shall record the facts in writing and shall report the same through the officer-in-charge to the Controller of Examinations.

## 5. Procedure to be followed by Examiner during Assessment.

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If the examiner at the time of assessment of answer books suspects that there is a prima-facie evidence that the student/s whose answerbook/s the examiner is assessing appears to have resorted to unfairmeans in the examination, the examiner shall forward his/her report. along with the evidence and his/her opinion to the Chief Officer of CAP Centre. He shall forward the case in separate sealed envelop marked as "Suspected unfairmeans case," to the Controller of Examinations.

Procedure to be followed by the Examination Section of University. 6.

- Case of the unfairmeans having prima-facie reported to the University by the officera) in charge / Co-officer in charge and / or the Chief Officer of CAP Centre shall be inquired into by the Committee appointed by the Board of Examinations. In the event cases of unfairmeans reported through any other sources, the Controller of Examinations/ the Concerned Officer at the Examination Section of the University shall scrutinise the case, collect preliminary information and if satisfied that there is a prima-facie case, he shall place the same before the Unfairmeans Inquiry Committee for further investigation. The Concerned Officer of the Section / the Controller of Examinations through which the case has originated or the case is pertaining to, shall be the Presenting Officer of the case before the Inquiry Committee, Police Authorities and Court of Justice and shall deal with the case till it is finally disposed off.
- Examination Result, of the concerned students involved in such cases shall be b) withheld my the Board of Examinations takes final decision in the matter and the College / Institution to which he/she belongs to, shall be informed accordingly. Jarud, Ta. Warud, Dist. Amravati

## Appointment of Unfair Means Inquiry Committee.

- a) For the purpose of investigating unfairmeans resorted to by students at the University examination, the Board of Examinations shall appoint a committee in terms of the provisions made under Section 32(6)(a) of the Maharashtra Universities Act-1994.
- b) The Unfair Means Inquiry Committee will function as a recommendatory body and submit its recommendations in the form of a report to the Board of Examinations, which will issue final orders with regard to the penal action to be taken against the students/s after taking into account the reported facts and findings of the case by the Committee and after ensuring whether reasonable apportunity has been given to the concerned implicated student in his/her defence,

## Procedure of the Comittee shall be as under

- a) In respect of cases of unfairmeans and malpractices, as reported by the officers in charge of Examination Centres, the inquiry committee shall adhere to the computerised procedure of inquiry and punishment, as approved by the Board of Examinations as "A Computerised Procedure of Deciding the Cases of Unfairmeans and Malpractices in the University Examinations", appended herewith as Schedule-I Such cases shall be dealt with by the approved and authorised panels of categorisers & Foil Categorisers and if required by the Third Categorisers and / or the Committee itself. The categories of unfairmeans and malpractices shall be decided as prescribed in "Appendix-A. The Committee shall recommend to Board of Examinations accordingly.
- b) The inquiry Committee shall inquire, decide and recommend the punishment to the Board of Examinations, in respect of cases referred to it by the Hon'ble Vice-Chancellor, or the Board of Examinations or Chief Officer of CAP centre or any other person/source.

## Procedure of Inquiry of Review Appeals & Referred Cases :-

- (a) The Controller of Examinations or the Officer authorised by him, shall inform the student concerned in writing of the act of unfairmeans committed by him/her as proved and the punishment imposed in respect of cases that comes under sub-para
   (a) of para (8) above.
- (b) The student may appeal for revision of punishment and produce evidence, in support of his/her innocence within a prescribed time limit.
- (c) In respect of the cases of revision and the cases referred to it as per sub-para (b) of para (8) above. The Committee, in the spirit of the principle of natural justice, shall fallow the following procedure.
  - (i) The Officer concerned shall inform the appellant student/s to be present before the Committee to record his/her say and produce evidence in support of his/ her say regarding the charges levelled and the punishment imposed.
  - (ii) The student may appear before the Inquiry Committee on a day, time and place fixed for the meeting and give written reply/explanation to the charges levelled on him/her. The Student himself/herself only shall present his/her case before the Committee.
  - (iii) Reasonable opportunity, including oral hearing, shall be given to the student in his/her defence before the Committee. The reply/explanation given by the student shall also be considered by the Committee before making final recommendation in the case.
  - (iv) After serving a notice. if the implicated student fails to appear before the Inquiry Committee on the day, time and place fixed for the meeting, and if the student concerned fails to appear before the committee, the committee shall take decision in his/her case in absentia, on the basis of the available evidence/documents, which shall be binding on the student concerned.
  - (v) The Committee shall submit its report to the Board of Examinations alongwith its recommendation regarding punishment to be inflicted or otherwise.

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#### 10. Punishment

- The Competent Authority concerned i.e. the Board of Examinations in the cases (a) of University examinations, after taking into consideration the report of the Committee shall pass such orders as it deems fit including granting the student benefit of doubt, issuing warning or exonerating him/her from the charges and shall impose any one or more of the following punishments on the student/s found guilty of using unfairmeans.
  - Annulment of performance of the student in full in the examination he/she (i) has appeared for.
  - (ii) Debarring student from appearing for any examination of the University for a stipulated period not exceeding five years.
  - (iii) Debarring student from taking admission for any course in the University or college or Instutution for a stipulated period not exceeding five years.
  - (iv) Cancellation of the University or College or Institution Scholarship/s or award/ s or prize or medal etc. awarded to him/her in that examination.
- (b) The quantum of punishment in respect of cases decided and recommended by 32(6)(a) committee.
- The student concerned shall be informed by the officer concerned of the punishment (c) finally imposed on him/her by the Board of Examinations under intimation to the college/institution, he/she belongs to.

#### PART TWO

#### Malpractices used or lapses committed by any Paper-setter, Examiner, Moderator, Referee, Teacher or any other person connected with the conduct of examination.

#### 1. Powers of Enquiry and Punishment

On receipt of report regarding malpractices used or lapses committed by any paper setter, examiner, moderator, referee, teacher or any other person connected with the conduct of examination held by the University including breach of the rules laid down for proper conduct of examination, the Board of Examintions, in the cases of the University examinations shall have power at any time to institute inquiry and to punish such malpractices or lapses by declaring disqualified the concerned paper-setter, examiner, moderator, referce, teacher or any other person connected with the conduct of examination from any examination work either permanently or for a specified period or by referring his/her case to the concerned authorities for taking such disciplinary action as deemed fit as per the rules provided for or in any two or more of the aforesaid ways.

#### **Competent Authority** 2.

The Board of Examinations shall be the competent authority to take appropriate disciplinary action against the paper-setter, examiner, moderator, referee, teacher or any other person connected with the conduct of examination committing lapses or using, attempting to use, aiding, abetting, instigating or allowing to use malpractice/s at the examination/s conducted by the University.

#### Definition : Unless the Context Otherwise Requires 3.

- "Paper setter, examiner, moderator, referee and teacher" means and includes person/ (a) s duly appointed as such for the examination by the competent authority and the term "any other person connected with the conduct of examination" means and includes person/s appointed on examination duty by the competent authority.
- Malpractices/lapses includes one or more of the following acts or ommissions on (b) the part of the person/s included in (a) relating to the examination :-
  - Leakage of question/s or question paper set at the University examination (i) before the time of examination/s.

Examiner/Moderator intentionally awarding more marks to student in (ii) Wassessment of answerbooks, dissertation or project work to which the student DR. A. Co-ordinator, is not entitled or assigning less marks to the student to which the student to is entitled and To Marks College

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- Paper-setter omitting question, Sr.No. of question, repeating question/s in the same/different sections or setting question/s outside the scope of syllabus.
- (iv) Examiner / Referee showing negligence in detecting malpractice used by students.
- (v) Invigilator, co-officer in charge, officer-in-charge showing negligence/apathy in carrying out duties or aiding /abetting/allowing/instigating students to use malpractice/s.
- (vi) Or any other similar act/s and or omission/s which may be considered as malpractices or lapeses by the competent aurhority.
- (c) "Malpractice or lapse relating to examination" means and includes directly or indirectly committing or attempting to commit or threatening to commit any act of unfair means, fraud or undue influence with a view to obtaining wrongful gain to him/her or to any other person or causing wrongful loss to other person/s or omitting to do what he/she is bound to do as duties.
- (d) "College" means conducted, constituent or affiliated college or recognised institution of a University.

#### 4. Investigating Committee.

The Committee appointed by the Board of Examinations under the provisions of Section 32(6)(a), of the Maharashtra University Act-1994, to investigate unfair means resorted to by student/s at the University examinations shall also investigate the cases of malpractices used and/or lapses committed by the paper-setter, examiner, moderator, referee, teacher or any other person connected with the conduct of examinations at the University examinations.

#### 5. Procedure for Investigation

- (a) The cases of alleged used of unfair means or lapses committed by the paper-setters, examiners, moderators, referees, teachers or any other persons connected with the conduct of examinations, reported to the University shall be scrutinized by the Controller of Examinations/ the concerned Officer at the Examination Section of the University, collect preliminary information and then shall submit the said case with his primary report to the Unfairmeans Inquiry Committee for further investigation and recommendations to the Board of Examinations. The Concerned Officer through which the case has originated or the case is pertaining to, shall be the Presenting Officer of the case before the Inquiry Committee, Police Authorities and Court of Justice and shall dealt with case till it is finally disposed off.
- (b) The Competent Officer authorised in this behalf, shall inform the implicated person (paper-setter, examiner, moderator, referee, teacher or any other person connected with the conduct of examination) in writing of the act of malpractices used and/ or lapses committeed by him/her at the examination and shall ask him/her to be present before the Inquiry Committee.
- (c) The concerned person may appear before the Inquiry Committee on a day, time and place fixed for meeting and submit written reply/explanation to the charges levelled against him/her therein. The concerned person himself/herself only shall present his/her case before the Committee.
- (d) The documents that are being taken into consideration to be relied upon for the purpose of proving charge/s against the concerned person shall be shown to him/ her by the Inquiry Committee, if he/she persents himself/herself before the Committee.
- (e) Reasonable opportunity, including oral hearing, shall be given to the concerned person in his/her defence before the Committee. The reply/explanation given by the concerned person shall also be considered by the Committee before making final report/recommendation.

The Committee should follow the above procedure in the spirit of principle of natural instice. Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati.

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- (g) If the concerned person fails to appear before the Committee, on the day, time and place fixed for the meeting the Committee shall take decision in his/her case in his/her absentia on the basis of whatever evidences/documents which are available before it and same shall be binding on the concerned implicated person.
- (h) The Committee shall submit its report to the Board of Examinations alongwith its recommendations regarding punishment to be inflicted on the concerned person or otherwise, after taking into consideration the categories prescribed in "Appendix-B" of this ordinance.

#### 6. Punishment

- (a) The Board of Examinitions, after taking into consideration the report of the Committee, shall pass such orders as it deems fit including granting the implicated person benefit of dobut, issuing warning or exonerating him/her from the charge/s and shall impose any one or more of the following punishments on the implicated person found guilty of using malpractice/s or committing lapses at the examination :-
  - (i) Declaring disqualified the concerned paper-setter, examiner, moderator, referee, teacher or any other person connected with the conduct of examination, from any examination work either permanently or for a specified period.
  - (ii) Referring his/her case to the concerned disciplinary authorities i.e. Management of the College/Institution for taking such disciplinary action as deemed fit as per the rules governing his/her service conditions.
  - (iii) The Controller of Examinations or the Officer authorised in this behalf, shall inform the concerned person of the decision taken in his/her case and the punishments imposed on him/her.
  - (iv) An appeal made within 15 days of imposition of the punishment, other than the punishment referred to in sub-para (ii) above, shall lie with the Board of Examinations, and its decision in the appeal shall be final and binding. If the case is pertaining to the decision of the Management of College or Institution, their decision in the appeal shall be final and binding.
  - (v) The Competent Authority shall supply a copy of the relevant extract of factfinding report of the inquiry committee, as well as the documents relied upon (not strictly confidential) pertaining to his/her case to the appellant / petitioner, if applied for in writing.
  - (vi) The court matters in respective cases of malpractices/lapes should be dealt with by the respective competent authority.
- (b) As far as possible, the quantum of punishment shall be as prescribed, category wise, in Appendix-B of this ordinance.

\* \* \* \* \*

#### Schedule-I

Computerised procedure of unfairmeans and malpractices in the Examination.

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0.	Amexure-VII	Co-ordinator, Arts & Commerce College IQAC Jarud, Ta. Warud, Dist. Amravat

#### 1

## परीक्षेतील गैरव्यवहार व चूकांचे प्रकरणाबावत अनुसरावयाच्या कार्यरीतीचा तपशिल

परीक्षेत गैरव्यवहाराचा वापर करण्याच्या प्रकरणामध्ये अनुसरावयाच्या कार्यरीतीचे संगणकीकरण करण्याबाबतच्या अहवालास परीक्षा मंडळाने दि.२७-५-९५ च्या सभेत ठराव क्रमांक ३ नुसार मान्यता दिली असून परीक्षेतील गैरव्यवहार व चुकांच्या तपासणीच्या कामाचे संगणकीकरण करण्याचे ठरले आहे.

- 9. वर्गसूचिकर्ता/प्रतिवर्गसूचिकर्ता यांची नियुक्ती मुख्यत्वे गैरव्यवहार प्रकरणाची वर्गवारी करण्यासाठी व त्याबाबत ' परीक्षेतील गैरव्यवहार व चूका यांचा तपास करणाऱ्या समितीकडे' (यानंतर 'समिती' असा उल्लेख) शिफारस करण्यासाठी करण्यात आली आहे. या नियुक्त्या परीक्षा मंडळाने केलेल्या असतील.
- २. वर्गसूचिकर्ता/ प्रतिवर्गसूचिकर्ता यांना २०/२० च्या भागांत गैरव्यवहार प्रकरणे वर्गवारीकरिता देण्यात येतील. कोणाकडे कोणती प्रकरणे सुपूर्द करावी याबाबत निर्णय करतांना समितीने अनुसरावयाची कार्यरिती स्वतंत्रपणे नमूद केली आहे.
- ३. प्रत्येक गैरव्यवहाराच्या प्रकरणांसोबत प्राप्त फॉर्म यु-१ वरील परीक्षार्थी, पर्यवेक्षक, सहकेंद्राधिकारी व केंद्राधिकारी यांची निवेदने तसेच प्रकरणांसोबत प्राप्त गैरव्यवहाराकरिता उपयोगात आणलेले साहित्य व उत्तर पत्रिका याची प्रत्यक्ष छाननी करावयाची आहे.
- ४. प्रत्यक्ष छाननी करुन उत्तर पत्रिकेच्या सोबतच्या साहित्याचा उपयोग विद्यार्थ्याने नक्कल करण्यासाठी केला असेल तर उत्तर पत्रिकेतील नक्कल केलेला भाग व साहित्यातील भाग जांभळ्या शाईने वर्गसूचिकर्त्याने डाव्या बाजूला उभा रेखांकित तर प्रतिवर्गसूचिकर्त्यांने उजव्या बाजूला हिरव्या शाईने उभा रेखांकित करावयाचा आहे. जर साहित्याचा उपयोग केला नसेल तर फॉर्म यु-१ वर साहीत्याचा उपयोग केला नाही असे नमद करावयाचे आहे.
- ५. छाननी झाल्यानंतर सदर प्रकरण हे परिशिष्ट-अ (Appendix-A) मधील कोणत्या वर्गवारीत मोडते हे पुरविण्यांत आलेल्या परिशिष्ठ-२ (Annexure-II) मधील रकाना क्र.५ मध्ये नमूद करुन रकाना क्र.६ मध्ये त्या वर्गवारीला द्यावयाची शिक्षा नमूद करावी लागेल.

उदा. जर उन्हाळी ९५ या परीक्षेतील एखादे प्रकरण वर्गवारी क्र.१८ मध्ये मोडत असेल तर रकाना क्र.५ मध्ये १८ असे नमूद करुन रकाना क्रमांक ६ मध्ये W-95 असे नमूद करावे लागेल. (उन्हाळी करिता S व हिवाळी करिता W असे संक्षिप्त अक्षर वापरावे.)

- ६. वर्गसूचिकर्ता यांनी केलेल्या वर्गवारीची नोंद संगणकात केल्यानंतर प्रत्येक प्रकरण पुन्हा वर्गवारी करिता प्रतिवर्गसूचिकर्ता यांचेकडे दिले जाईल. परंतु त्याप्रकरणास वर्गसूचिकर्त्याने कोणती वर्गवारी दिली आहे याची माहीती प्रतिवर्गसूचीकर्त्यास राहणार नाही. प्रतिवर्गसूचिकर्ता पुन्हा सदर प्रकरणाची छाननी करुन त्या प्रकरणाची वर्गवारी करुन त्याची नोंद परिशिष्ट क्र.३ (Annexure-III) मध्ये करुन त्या वर्गवारीस द्यावयाच्या शिक्षेची नोंद करील.
- ७. वर्गसूचिकर्ते, प्रतिवर्गसूचिकर्ते व तिसरे वर्गसूचिकर्ते यांनी केलेल्या वर्गवारीनुसार संगणकावरुन माहीती भरल्यावर संगणकाव्दारे पुरविलेल्या संगणक तक्त्यात वर्गकर्त्यांनी केलेली वर्गवारी व त्यानुसार संगणकीय तक्त्यात आलेली वर्गवारी व शिक्षा योग्यप्रकारे संगणक तक्त्यात आली किंवा नाही याची तुलनात्मक शहानिशा गोपनिय विभागाकडून वेळीच करण्यात येईल. ही तुलनात्मक शहानिशा करणारे कर्मचारी वर्गकर्त्यांच्या तक्त्यावर (Annexure-II,III,IV) स्वाक्षरीसह आपले नांव लिहीतील.
- ८. या कामाकरिता प्रत्येक सुचिकर्त्यांस स्थानिय वाहन भत्ता व प्रतिप्रकरण रु. ३.५० एवढे परिश्रमिक दिल्या जाईल.
- ९. अंतिम वर्गवारी :- वर्गसूचिकर्ता/प्रतिवर्गसूचिकर्ता यांनी केलेली वर्गवारी समान असेल तर ती अंतिम असेल पण जर ती भिन्न असेल तर असे प्रकरण तिसऱ्या वर्गसूचिकर्त्यांकडे सोपविण्यात येईल. तिसऱ्याने केलेली वर्गमारी जर पहिल्यां दोघांपैकी एकाशी जुकत असेल तर ती जुकणारी वर्गवारी अंतिम असेल. जर तिन्ही वर्गसूचिकर्त्यांनी केलेली वर्गवारी भिन्न भिन्न असेल वर अशा प्रकरणाच्या अंतिम वर्गवारीचा निर्णय

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- 90. वर्गसूचिकर्ता/प्रतिवर्गसूचिकर्ता व तिसरा वर्गसूचिकर्ता यांच्या शिफारसी समितीकडे अंतिम निर्णयाकरिता पाठविण्यात येईल.
- 99. वर्गसूचिकर्ता किंवा प्रतिवर्गसूचिकर्ता किंवा तिसरा वर्गसूचिकर्ता यांनी केलेली वर्गवारी जर अयोग्य असेल आणि अयोग्य (चुकीची) वर्गवारी हेतुपुरस्सर केलेली आहे असे लक्षात आले असेल तर त्या बाबतही नोंद घेण्यात येवून सदर प्रकरण समितीकडे/परीक्षा मंडळाकडे पुढील कार्यवाहीकरिता सोपविण्यांत येईल.
- 9२. प्रत्येक प्रकरणात वर्गसूचिकर्ता किंवा प्रतिवर्गसूचिकर्ता किंवा तिसरा वर्गसूचिकर्ता यांनी केलेल्या व अंतिम शिफारशीवर तसेच वर्गवारीत भिन्नता असेल अशा प्रकरणी व वर्गवारी ३२ ते ४३ या बाबतीत समितीने निर्णय घेवून प्रत्येक प्रकरणी द्यावयाच्या शिक्षेची शिफारस परीक्षा मंडळाकडे पाठवावयाची आहे.
- 93. वर्गसूचिकर्ता/प्रतिवर्गसूचीकर्ता यांचेकडे छाननी करिता व शिफारशीकरिता प्रकरणांचा कोणताभाग सोपवावा द्याचा निर्णय समितीला प्रकरणांच्या भाग क्रमांकाच्या चिठ्या काढून घ्यावयाचा आहे. ज्या वर्गकर्त्यांचे नावाने ज्या भागक्रमांकाची चिठ्ठी निघेल ते भाग प्रकरणांच्या वर्गवारी करिता त्यांचेकडे सोपविण्यात येईल. समितीसमोर हे निर्णय करीत असतांना वर्गसूचिकर्ता व प्रतिवर्गसूचीकर्ता यांची इंग्रजी अद्याक्षरानुसार लावलेली मुद्रीत यादी असेल व त्याबरोबर लॉट नंबर (भाग क्रमांक) व प्रत्येक भागामध्ये समाविष्ट असलेल्या प्रकरणांचा तपशील नमुद केलेला तक्ता असेल. कोणता भाग चिठ्ठी काढल्यानंतर कोणत्या वर्गसूचिकर्ता व प्रतिवर्गसूचिकर्ता यांचेकडे वर्गवारीसाठी सोपविण्यात आलेला आहे, याची समितीच्या कार्यवत्तामध्ये नोंद असेल.
- 98. परिच्छेद 9२ मध्ये नमुद केलेल्या पध्दतीने वर्गसूचीकर्ता व प्रतिवर्गसूचिकर्ता यांचे मध्ये भागांचे वाटप समितीने करुन दिल्यानंतर, प्रत्यक्ष वर्गीकरणांचे काम सुरु होण्याचे वेळी किंवा सुरु झाल्यावर जे वर्गसूचिकर्ते अनुपस्थित असतील त्यांच्या वाट्यावर आलेले लॉट, त्या सर्व लॉटच्या अनुक्रमांकानुसार लावले जातील, व त्यापैकी एकेक लॉट वर्गसूचिकर्त्यामध्ये वर्गसूचीकर्त्याच्या अनुक्रमांकानुसार एक एक करुन वाटून दिल्या जाईल. हीच प्रक्रिया अनुपस्थित असलेल्या प्रतिवर्गसूचिकर्त्यांच्या वाट्याला आलेल्या लॉटचे वाटप करण्याच्या बाबतीत अमंलात आणली जाईल.
- १५. वर्गकर्त्यांनी गैरव्यवहार अवलंब प्रकरणी द्यावयाच्या शिक्षेसंबंधीच्या अंतिम वर्गवारीच्या संगणीकृत तक्त्याच्या (परिशिष्ट-५) ३० प्रति काढण्यात. संगणकीकृत तक्त्यामध्ये अनुक्रमे १० स्तंभ राहतील. अनुक्रमांक, परीक्षार्थ्यांचे नांव. परीक्षा,परीक्षा क्रमांक, वर्गसूचिकर्ता, प्रतिवर्गसूचीकर्ता व तीसरा वर्गसूचिकर्ता यांनी केलेली वर्गवारी, अंतिम वर्गवारी,शिक्षा (वंचित केलेल्या परिक्षेसह) व शेरा ई. माहीती असेल. हा संगणकीकृत तक्ता समितीसमोर विचारार्थ व परीक्षा मंडळाला शिफारस करण्याकरिता वापरण्यात येईल. सदर तक्ता सहाय्यक कुलसचिव व परीक्षा नियंत्रक समितीसमोर सादर करतील.
- 9६. समिती समोरील कार्यवाहीचे स्वरूप : वर्गकर्त्यांनी केलेल्या वर्गवारीची व अंतिम वर्गवारीची अचूकता पाहणे हे समितीचे प्रधान कार्य असेल. एखाद्या प्रकरणाची वर्गवारी समितीला योग्य वाटत नसेल व त्यांत बदल करावयाचा असेल तर वर्गवारी बदलविण्याचा व त्या वर्गवारीशी शिक्षेसंबंधीची संसंगत शिफारस परीक्षा मंडळाकडे करण्याचा अधिकार समितीला असेल मात्र असे करीत असतांना संगणकीकृत तक्त्यामध्ये (परिशिष्ट-५) दुरुस्त्या न करता अशा करण्यात आलेल्या दुरुस्त्या बाबतचे निर्णय स्वतंत्रपणे क्रमशः आपल्या कार्यवृत्तामध्ये समिती नोंदवील. प्रत्येक दुरुस्तीची वाकसंहिता ढोबळमानाने पुढीलप्रमाणे असेल :

Modification No. in Annexure -V of Computerised sheets against case No.27, in column No.8 the figure "2" indicating the category be substituted by "5" Correspondently the punishment Shown in column No. 9 "S/95" be substituted by "S/96". For each such modification committee will record its reasons in writting.

90. परीक्षा मंडळासमोरील कार्यवाहीचे स्वरुप :

गैरव्यवहार अवलंब प्रकरणी द्यावयाच्या शिक्षेसंबद्धीच्या अंतिम वर्गवारीचा संग्रेणकोकृत तक्ता (परीशिष्ट-५) व समितीने सूच्यवलेल्या बदलाची तसेच समितीने ज्या प्रकरणी निर्णय घेतला आहे अशा प्रकरणी द्यावयाच्या शिक्षेसंबंधीची शिफारस व्यक्तिनिवे कार्वबृत्ताल करप्रयांत येवून परीशिष्ट-५/ सह परीक्षा मंडळाकडे अंतिम निर्णयाकरिता, पाठवावयाचे जाहे. Warud, Dist Amravati

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In respect of the proceedings regarding the computerized working of the cases of malpractices, the Board of Examinations will mainly consider two documents : (1) computerized sheets as submitted by the Controller of Examinations and (2) the record of minutes containing modifications proposed by the Committee. The Board of Examinations will consider each modification suggested by the Committee and take it's final decision in respect of every such modification. After all the modifications proposed by the Committee are considered, or during the consideration of the modifications, if Board of Examination considers it necessary to suggest some additional modifications it shall be recorded as separate modifications. Modifications so approved by the Board shall be given continuous modification number beginning from 1 and ending with 9999. The decision of the Board of Examinations in respect of each modification as recorded in the Minutes shall be final and the computerized sheet shall stand amended accordingly.

92. परीक्षा मंडळाचे अंतिम निर्णय उपलब्ध झाल्यावर त्या निर्णयाची प्रत संगणक विभागाकडे परीक्षा विभागाकडून सोपविल्या जाईल. संगणकीकृत तक्त्यामध्ये अंतिम निर्णयानुसार बदल करण्याची जवाबदारी ही संगणक विभागाची असेल व ते बदल यथोचित रित्या करण्यात आलेले आहेत हे पाहण्याची जवाबदारी परीक्षा विभागाची राहील.

सदर बदल करण्यात आल्यानंतर संगणक विभाग पुढील तीन संगणकीकृत दस्तऐवज उपलब्ध करुन देईल.

- 9) परीक्षा मंडळाने केलेल्या दुरुस्त्या समाविष्ट करण्यात आल्यानंतर काढलेली संगणकीकृत तक्त्यांची प्रत. अशी प्रत लेजर पेपरवर काढण्यात येईल व ती स्थायी स्वरुपाचा दस्तऐवज म्हणून गोणनिय विभागाकडे सोपविण्यात येईल.
- २) परिशिष्ट-६ म्हणून सोबत जोडलेल्या नमुन्याप्रमाणे अमरावती विद्यापीठ गॅझेट भाग-३(ए) सर्वसामान्यांच्या माहितीकरीता प्रसिध्द करण्याकरिता.
- विद्यार्थ्यांना झालेल्या शिक्षेसंबंधिची प्रत्येक विद्यार्थ्याला पाठवावयाची संगणकीकृत पत्रे. (Annexure-VII)
  - टिपः सदर योजनेमध्ये ज्या ज्या ठिकाणी परिशिष्ट-१ (Annexure-1) असे नमुद केले आहे त्या त्या ठिकाणी अध्यादेशासोबत जोडलेले परिशिष्ट-अ (Appendix-A) वाचावे/पाहावे.

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STATEMENT SHOWING DIFFERENT CATEGORIES OF THE CASES AND THE PUNISHMENT TO BE GIVEN TO THE EXAMINEES FOR USE OF MALPRACTICES IN THE UNIVERSITY EXAMINATIONS SHALL BE AS PER "APPENDIX-A".

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### APPENDIX-A

#### (APPENDIX TO ORDINANCE NO.22 of 2001)

The Broad Categories of Unfairmeans & Maipractices Resorted by Students at the University Examination and the Quantum of Punishment for each Grant of Punishment

(1) Possession of copying material

Annulment of the performance of the student at the University examination in full.

(Note :- This quantum of punishment shall apply also to the following categories of malpractices in addition to the punishment prescribed thereat.)

- (2) Denial of possession of copying material by the examinee but non- acceptance of the contension of the examinee by the invigilater and the co-officer-in-charge or officer-in-charge.
- (3) Possession of copying material, and acceptance of the same by the examinee but having not used the material.
- (4) Possession of copying material and acceptance of the student of having copied from the said material.
- (5) Possession of copying material by the examinee and having copied from the same but denial of its use by the examinee.
- (6) Possession of copying material by the examinee and having copied from the same but refusal to give statement to that effect.
- Possession of copying material by the examinee and having copied from the same but denial of its use and refusal to give statement to that effect
   Misbehaviour with the invigilator and

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Exclusion of the student from University examination for one additonal examination (1+1)

Annulment of the performance of the student at the University examination in full. (1)

Exlusion of the Student from University examination for one additional examination. (1+1)

Exclusion of the student from University examination for one additional examination. (1+1)

Exclusion of the student from University examination for one additional examination. (1+1)

Exclusion of the student from University examination for two additional examination. (1+2)



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- (8) Having not obtained or not received the statement of the examinee and reporting the case by the officer-in-charge but having not made the copy.
- (9) Having not obtained or not received the statement of the examinee and reporting the case by the Officer-in-Charge but having made the copy.
- (10) Possession of the copying material Attempt to destroy the evidence by the examinee.
- (11) Possession of the copying material Attempt to destroy the evidence by the examince. Misbehaviour with the invigilator and co-officer or officer in charge.
- (12) Report of the officer in charge of having resorted to unfairmeans, Denial by the examinee the ownership of coping material and stating that same has been found in his/her near vicinity or thrown to him/her or dropped near him/her by some one else. On verification found not made the copy.
- (13) Report of the officer in charge of having resorted to unfairmeans. Denial by the examinee the ownership of coping material and stating the same has been found in his/her near vicinity or thrown to him/her or dropped near him/her by some one else. On verification found having made the copy.
- (14) Having left the examination hall by the examinee on one or the other pretext and seen or read the coping material with him/ her or left or thrown the same or acquired outside copying material or tallied the same with the material on his person.
- (15) Having copied from the answer book of another examinee.
- (16) Having allowed another examinee to copy from his/her answer book.
- (17) Having brought the copying material but not copied and fled away without giving statement.

Annulment of the performance of the student at the University examination in full (1)

Exclusion of the student from University examination for one additional examination, (1+1)

Exclusion of the student from University examination for two additional examination, (1+2)

Exclusion of the student from University examination for two university examination for three additional examinations. (1+3)

Annulment of the performance of the student at the University examination in full (1)

Exclusion of the student from University examination for one additional examinations. (1+1)

Exclusion of the student from University examination for one additional examinations. (1+1)

Exclusion of the student from University examination for one additional examinations. (1+1)

Exclusion of the student from University examination for one additional examinations. (1+1)

Exclusion of the student form University examination for one additional examinations. (1+1)

(18) Found copying material on his/her person principal Exclusion of the student form University Found having made the copy. Denial Commerce examination for two additional examinations. give statement. Resorted to violance or Warud, Dist, Amayoria

(19)	Denial of ownership of coping material. Denial to have made the copy. But found having made the copy.	Exclusion of the student form University examination for one additional examinations (1+1)
(20)	Smuggling-out or smuggling in of answerbook as copying material.	Exclusion of the student form University examination for two additional examinations (1+2)
(21)	Smuggling-in of written answer-book based on the question paper set at the examination.	Exclusion of the student form Universit examination for three additional examinations (1+3)
(22)	Smuggling in of written answer-book and forging signature of the invigilator thereon.	Exclusion of the student form Universit examination for four additional examinations (1+4)
(23)	Answerbook main or supplement written outside the examination hall or any other insertation in answer book.	Exclusion of the student form University examination for four additional examinations (1+4)
(24)	Insertion of currency note to bribe or attempting to bribe any of the person/s connected with the conduct of examinations.	Exclusion of the student form University examination for four additional examinations (1+4) Note :- This money shall be credited to the Vic Chancellor's Fund)
(25)	Revealing identity in any form in the answer written or in any other part of the answer book by the student at the University examinations.	Annulment of the performance of the Studer at the University examination in full (1)
26)	Found having written on plams or on the body or on the clothes while in the examination.	Annulment of the performance of the studer at the University examination in full (1)
27)	Possession of copying material relating to two different papers but found not used for copying.	Exclusion of the student from Universit examination for one additional examinations (1+1)
28)	Possession of copying material relating to two different papers/subjects, Found having copied in only one paper/Subject.	Exclusion of the student from Universit examination for two additonal examinations (1+2)
29)	Possession of copying material relating to two different papers/subjects and having made copy in both the papers/subjects.	Exclusion of the student from Universit examination for three additional examination (1+3)
	After providing second and subsequent answer book, found in possession of copying material relating to subject but not used for copying.	Exclusion of the student from Universit examination for one examination for each time
	A fter providing second and subsequent answer books, found in possession of copying material and used for copying.	Exclusion of the student from Universit examination for two examination for each time
ote :-	The cases from Sr. No. 32 to 43 shall b	a dealt be 22 (C) >

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2)	Attempt to appear at examination by forging or counterfering in the statement of marks of qualifing examination.	The 32( recomme the stude three and
3)	Malpractices reported by examiners.	do
4)	The cases of Unfairmeans reported to the Police and referred to the University for action.	—do—
5)	Mutual/Mass Copying	-do
6)	Attempt to forge the signature of the invigilator on the answer book or supplement.	do
7)	interfering with or counterfetiting of University Seal, or answer books or office Stationary used in the examination.	—do—
3)	Using obscence Language/Violence. threat at the examination centre by a student at the University examination to invigilator/co-officer/officer in charge.	—do—
))	Impresonation at the University examination.	—do—
))	All other malpractices not covered in the aforesaid categories.	—do—
)	If on previous occasion a disciplinary action was taken against a student for malpractice used at examination and he/	In this eve Enhanced students,

(42)Practical/Dissertation/Project Report Examination.

she is caught twice for malpractices used

(43) Other unforeseen cases.

at the examinations.

(3

(3 (3

(3 (3

(3

(3)

(39

(40

(41

ent he/she shall be dealt with severely. d punishment can be imposed on Such students, This enhanced punishment may extend to double the punishment provided for the offence, when committed at the second or subsequent examination.

Student involved in malpractices at Practical/ dissertation/Project Report examinations shall be dealt with by 32(6)(a) committee and recommended the punishment to competant authority.

The 32(6)(a) committee is empowered to recommended the punishment of exclusion of the student from University examination for three and more additional examination.

Note :- The term "Annulment of Performance in full" includes performance of the student at the theory as well as Annual practical examination. but does not include performance at term work, project work with its term work, oral, internal assessment, sessional & dissertation examinations unless malpractice used thereat.)

DR. A. B. Co-ordinator, IQAC Arts & Commerce College, Jarud

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati



### 1-PART ONE-260

6)(a) committee is empowered to ended the punishment of exclusion of ent from University examination for more additional examination.

### AMRAVATI UNIVERSITY

### APPENDIX-B

(Appendix to Ordinance No. 22 of 2001)

Action for Malpractices and lapses on the part of the Paper-setter, Examiner, moderator, Referee. Teacher or any another person connected with the conduct of University Examinations.

Sr.No. Nature of Malpractice / Lapses

- Paper-setter found responsible for leakage of the question set in the University examination/s whether intentionally or due to the negligence before the time of examination.
- (2) Leakage of question/question paper set in the University examination before the time of examinition at the University or examination centre by any person/s connected with the conduct of the examination.
- (3) Favouring a student (examinee) by examiner, moderator, referee in assessment of answerbooks/ dissertation/ project report thesis by assigning the student marks to which the student is not entitled at the University examination.
- (4) Examiner/Moderator/Referee intentionally/negligently not assigning the student in assessment of his/her answer books/dissertation/project work,the marksto which the student is entitled to at the University examination.
- (5) Paper-setter omitting question at the time of finalisation of question paper set at examination.
- (6) Paper-setter repeating question in same/ different section/s
- (7) Paper-setter setting question outside the scope of the syllabus
- (8) While assessing answerbooks examiner showing negligence in detecting malpractices used by the students/s
- (9) Guiding Teacher showing negligence in supervision of dissertation/project work (e.g.use of manipulated data by a student.)
- (10) Co-officer/Officer in charge showing apathyin carrying out duties related to examinations (e.g.not taking rounds to the examination hall at examination centre during examination period or opening the packet of question paper before prescribed

DR. A. B. KSKADE Co-ordinator, XQAC Arts & Commerce College, Jarud

Arts & Commerce College Jarud, Ta. Werud, Dist. Amravati

Punishment

Disqualification form any examination work+disciplinary action by concerned authorities as per the rules applicable.

Disciplinary action against the guilty/responsible person/s as per the prevailing rules/standard code by the concerned authorities.

Disqualification from any examination work+disciplinary action by the concerned authorities.

Disqualification from any examination work+disciplinary action by the concerned authorities.

Disqualification from any examination work for a period of three years.

Disqualification from any examination work for a period of three years.

Disqualification from any examination work for a period of three years.

As decided by the concerned authorities of the University

As decided by the concerned authorities of the University.

As decided by the authorities of the University.



- (11) Invigilator helping student in copying answers while in the examination or showing negligence in reporting cases of copying by students when on supervision duty.
- (12) invigilator/teacher helping student (Examinees) in mass-copying while on examination duty.

Disqualification form any examination work upto a period of three years+disciplinary action by concerned authorities as per the rule if he/ she is a University/college/institution employee.

Permanent disqualification from any examination work+discplinary action by the concerned authorities as per the rule if he/she is a University/College/Institution employee.

(13) The competent authority may report the case of the concerned implicated person to the appropriate Police Authorities as per the provision of the Maharashtra Act No. XXXI of 1982.

\*\*\*\*\*

APPENDIX-'C' FORMAT-A

## AMRAVATI UNIVERSITY

(Appendix to Ordinance No.22 of 2001)

Statement of candidate who is alleged to have used Unfairmeans at the University Examination.

1.	Name in Full	:	
2.	Address	:	
3.	Centre (No.& Name)	:	
4.	Examination	:	
5.	Date of Examination	:	
6.	Paper No.& Subject	:	
7.	Shift & Timing	:	
8.	Seat No.	:	

To,

The Controller of Examinations, Amravati University, <u>Amravati.</u>

Sir,

I appeared at the above examination held on	at the
Tappeared at the accite states	College (Centre)

I give my statement as follows :-

Place						

Date

Time

ADE Arts & Commerce College, Jarud

Signature of the Candidate

Principal

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati



#### APPENDIX-'C' (FORMAT-B)

## AMRAVATI UNIVERSITY, AMRAVATI

Report of the invigilator/Co-officer/Officer-in-charge

Block No.	;	
Examination	:	
Subject	:	
Paper	:	
Date	:	

To,

The Controller of Examinations, Amravati University, <u>Amravati.</u>

Sir,

I, the undersigned, invigilator appointed on the above-mentioned Block/Room at the examination held at \_\_\_\_\_

college (Centre), I am hereby making report against Candidate, seat No.\_\_\_\_\_\_\_\_at the examinations, as follows :-

Yours faithfully,

### (Invigilator)

Place :

Date : \_\_\_\_\_

Name & Address of the Invigilator

Arts & Commerce College, Jarud

Arts & Commerce College Jarud, Ta. Werud, Dist. Amravati



#### AMRAVATI UNIVERSITY GAZETTE-2001-PART ONE-264

On the basis of the report made by the invigilator, I am of the opnion that there is a prima facie case of Unfair Means resorted to by the aforsaid Candidate, Seat No.\_\_\_\_\_ and therefore the case be forwarded to the University for investigation.

Signature of Co-Officer in Charge

Place : \_\_\_\_\_

Date :

Name & address of the Co-officer

Forwarded to the controller of Examinations, Amravati University, Amravati The suspected case of unfairmeans with confiscated material and answerbooks/s for necessary action.

Seal of the College/Institute/University (Centre)

Date			
Encl	1.		
	·2.		
	3.		
	4.		-
	5.		

Place \_

Signature of the Officer-In-Charge

:

Name

Address :

(N.B.:Kindly enclose a copy of the relevant question paper)

DR. Co-ordinat IOAC Arts & Commerce College, Jarud



#### AMRAVATI UNIVERSITY GAZETTE-2001-PART ONE-265

APPENDIX-'C' Format-C

#### FORM OF UNDERTAKING

1. Name in full	:	
2. Address	:	
3. Name of College	:	
4. Centre of Exam.	:	
5. Examination	:	
6. Paper & Subject	:	
7. Session	:	
8. Seat NO.	:	

To

The Controller of Examinations.

Amravati University, Amravati

Sir,	
I the undersigned student of	
college/Institution,appearing for	
Examination at the	College (Centre) do
hereby state, on solemn affirmation as under :	

I understand that I am involved in respect of an alleged use of Unfair means in the examination hall and therefore, a case against me is being reported to the University.

That in spite of the registration of a case of Unfair Means against me I request the University authorities to allow me to appear in the present paper and the papers to be set subsequently and / or at the University Examination to be held hereafter.

In case my request is granted, I do hereby agree that my appearance in the examination will be provisional and subject to the decision of the University authorities in the matter of disposal of the case of alleged use of Unfair Means referred to above.

I also hereby agree that in the event of myself being found guilty at the time of investigation of the said case, my performance at the examination to which I have been permitted to appear provisionally, consequent upon my special request, is liable to be treated as null and void.

In Witness whereof I set my hand to this undertaking.

DR. A. B. KOKADE Co-ordinator, IQAC Arts & Commerce College, Jarud

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati Time Gommorce College

Signature of the Candidate

Date

#### AMRAVATI UNIVERSITY GAZETTE-2001-PART ONE-267

I furnish herewith the details of the following student/s who has/have used Unfair Means at the examination.

1.	Name of the Student	:	
2.	Examination	:	
3.	Seat No.	:	
4.	Name of the College through		
	which he/she appeared		
	for the examination.	:	
5.	Address of the Student	:	
6.	Name of the Subject Date & Time	:	
7.	Name & Address of the invigilator		
	who deteted the case.	:	
8.	Name & Address of the co-officer		
	who detected the case	:	
9.	Material found with the Candidate	:	
10.	Other information if any in connection		
	with the case	:	

According to Section '7' of the Maharashtra Act XXXI of 1982, An Act to provide for preventing malpractices at University/Board and other specified examinations, Shri/ Kum.\_\_\_\_\_\_ has committed the offence at the examination and therefore I lodge a complaint against (Name of the Police Station)

him/her with the police station \_\_\_\_

Yours faithfully

Principal/Officer-in-charge

Name of the Centre

(SEAL)

Place	:	
Date	:	
Time	:	

DF Arts & Commerce College, Jarud



# UNIT TEST NOTICE AND TIME TABLE

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र <u>2017 - 18</u> मधील वर्ग <u>B-A-T, पा च्या फिर्क्ष प्राप्ते Test</u> परीक्षा दिनांक <u>8/9/2017</u> पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

Co-ordinator, IQAC

Arts & Commerce College, Jarud

B	B.A. Faculty Time Table 2017-18						
Sr. No.	Day	Date	Class	Time	Subject		
1	Friday	8/9/2017	B.A. Sem 1 B.A.2 B.A.3	11:00 AM To 12:00 PM	Comp. Marathi		
2	Sturday	9/9/2017	B.A. Sem 1 B.A.2 B.A.3	11:00 AM To 12:00 PM	Comp. English		
3	Monday	11/9/2017	B.A. Sem 1 B.A.2 B.A.3	11:00 AM To 12:00 PM	Marathi Literature		
4	Tuesday	12/9/2017	B.A. Sem 1 B.A.2 B.A.3	11:00 AM To 12:00 PM	Political Science		
5	Wednesday	13/9/2017	B.A. Sem 1 B.A.2 B.A.3	11:00 AM To 12:00 PM	Economics		
6	Thursday	14/9/2017	B.A. Sem 1 B.A.2 B.A.3	11:00 AM To 12:00 PM	Sociology		
7	Friday	15/9/2017	B.A. Sem 1 B.A.2 B.A.3	11:00 AM To 12:00 PM	History		
8	Saturday	16/9/2017	B.A. Sem 1 B.A.2 B.A.3	11:00 AM To 12:00 PM	Home Economics		

### Arts And Commerce College Jarud,Dist. Amravati First Unit Test

Coordinator, IQAC Arts & Commerce College, Jarud

Principal

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र <u>2017.1.8</u> मधील वर्ग <u>BAT. ए. ए. च्याद्वितीय दृष्टव यायद</u>पुरीक्षा दिनांक <u>27-11-20.17</u> पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

C0-01 Arts & Commerce College, Jarud

प्राचार

#### Arts And Commerce College Jarud,Dist. Amravati Second Unit Test Time Table 2017-18

Sr. No.	Day	Date	Class	Time	Subject
			B.A. Sem 1		Comp.
1	Monday	27/11/2017	B.A.2	11:00 AM To 12:00 PM	Marathi
			B.A.3		martun
			B.A. Sem 1		Comp.
2	Tuesday	28/11/2017	B.A.2	11:00 AM To 12:00 PM	English
		line and the set	B.A.3		Linghom
			B.A. Sem 1		Marathi
3	Wednesday	29/11/2017	B.A.2	11:00 AM To 12:00 PM	Literature
			B.A.3		
		30/11/2017	B.A. Sem 1	11:00 AM To 12:00 PM	Political Science
4	Thursday		B.A.2		
	Contra et al		B.A.3		
		ay 2/12/2017	B.A. Sem 1	11:00 AM To 12:00 PM	Economics
5	Saturday		B.A.2		
	The second second		B.A.3		
	Company of the	in the state of the	B.A. Sem 1	11:00 AM To 12:00 PM	And the second second
6	Monday	Monday 4/12/2017	B.A.2		Sociology
	Sal Sal Start	Mary State	B.A.3		-
			B.A. Sem 1	11:00 AM To 12:00 PM	
7	Tuesday	5/12/2017	B.A.2		History
			B.A.3		
			B.A. Sem 1		Home
8	Wednesday	6/12/2017	B.A.2	11:00 AM To 12:00 PM	Construction of the second
			B.A.3		Economics

Co-ordinato IQAC Arts & Commerce College, Jarud

Principal

Arits & Commerce College Jaendd, Tha Marud, Dist. Amround

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र <u>२०१७-१८--</u> मधील वर्ग कार्यु निर्दा व्यातिसरी घष्टक चाचक्रीक्षा दिनांक <u>१२११२८२२ व</u> पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

प्राचार्य

**Co-ordina** IOAC Arts & Commerce College, Jarud

#### Arts And Commerce College Jarud,Dist. Amravati Third Unit Test Time Table 2017-18

Sr. No.	Day	Date	Class	Time	Subject
-		THE NEW YORK	B.A. Sem 2		Comm
1 Thursday	Thursday	12/12/2017	B.A.2	11:00 AM To 12:00 PM	Comp. Marathi
			B.A.3		Iviaiaun
			B.A. Sem 2		Comp
2	Friday	13/12/2017	B.A.2	11:00 AM To 12:00 PM	Comp. English
			B.A.3		Linghish
		B.A. Sem 2		Marathi	
3	Saturday	14/12/2017	B.A.2	11:00 AM To 12:00 PM	Literature
			B.A.3		Literature
		nday 15/12/2017	B.A. Sem 2	11:00 AM To 12:00 PM	Political Science
4	Monday		B.A.2		
			B.A.3		
		16/12/2017	B.A. Sem 2	11:00 AM To 12:00 PM	Economics
5	Tuesday		B.A.2		
			B.A.3		
NO.COM		ursday 18/12/2017	B.A. Sem 2	11:00 AM To 12:00 PM	
6	Thursday		B.A.2		Sociology
			B.A.3		
			B.A. Sem 2	11:00 AM To 12:00 PM	
7	Friday	1 9/12/2017	B.A.2		History
		B.A.3			
			B.A. Sem 2		Home
8	Saturday	20/12/2017	B.A.2	11:00 AM To 12:00 PM	Economics
			B.A.3		Economics

Co-ordinator, IQAC Arts & Commerce College, Jarud

Principal

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र २०१७-१८ मधील वर्ग कर्ग राष्ट्र या स्त्री वय्क यापनेष्वरीक्षा दिनांक १४।२।२०१८ पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

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Arts & Commerce College, Jarud

Arts & Commerce College Jarud, Ta. Werud, Dist. Amrevati

#### Arts And Commerce College Jarud,Dist. Amravati Fourth Unit Test Time Table 2017-18

Sr. No.	Day	Date	Class	Time	Subject
In the second			B.A. Sem 2		Comp.
1	Monday	14/2/2018	B.A.2	11:00 AM To 12:00 PM	Marathi
			B.A.3		Ividiatin
			B.A. Sem 2		Comp.
2	Tuesday	15/2/2018	B.A.2	11:00 AM To 12:00 PM	English
			B.A.3		Linghibit
	3 Wednesday		B.A. Sem 2		Marathi
3		16/2/2018	B.A.2	11:00 AM To 12:00 PM	Literature
			B.A.3		
1		day 17/2/2018	B.A. Sem 2	11:00 AM To 12:00 PM	Political Science
4	Thursday		B.A.2		
			B.A.3		
		nday 20/2/2018	B.A. Sem 2	11:00 AM To 12:00 PM	Economics
5	Monday		B.A.2		
			B.A.3		
		Tuesday 21/2/2018	B.A. Sem 2	11:00 AM To 12:00 PM	
6	Tuesday		B.A.2		Sociology
			B.A.3		
			B.A. Sem 2	11:00 AM To 12:00 PM	
7	Wednesday	22/2/2018	B.A.2		History
			B.A.3		
			B.A. Sem 2		Home
8	Thursday	23/2/2018	B.A.2	11:00 AM To 12:00 PM	Economics
	and the second second		B.A.3		Leonomies

Co-ordinate IOA Arts & Commerce College, Jarud

Principal

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र <u>२०१७-१८</u> मधील वर्ग <u>८२ प्राप्ता</u> च्या साम्रात्य परिया परिया दिनांक <u>१५- ३ २०१८</u> पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

Co-Arts & Commerce College, Jarud

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### Arts And Commerce College Jarud,Dist. Amravati Common Test Time Table 2017-18

Sr. No.	Day	Date	Class	Time	Subject
			B.A. Sem 2		Comp.
1	1 Wednesday	14/3/2018	B.A.2	10:00 AM To 01:00 PM	Marathi
			B.A.3		Iviaraum
15.5			B.A. Sem 2		Comp.
2	Thursday	15/3/2018	B.A.2	10:00 AM To 01:00 PM	English
			B.A.3		Lingition
			B.A. Sem 2		Marathi
3	3 Friday	16/3/2018	B.A.2	10:00 AM To 01:00 PM	Literature
			B.A.3		Enterature
		aturday 17/3/2018	B.A. Sem 2	10:00 AM To 01:00 PM	Political Science
4	Saturday		B.A.2		
	144 448 44		B.A.3		
		19/3/2018	B.A. Sem 2	10:00 AM To 01:00 PM	Economics
5	Monday		B.A.2		
	A Second Second		B.A.3		
			B.A. Sem 2		
6	Tuesday	20/3/2018	B.A.2	10:00 AM To 01:00 PM	Sociology
	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		B.A.3		
		Server - Vinte	B.A. Sem 2	10:00 AM To 01:00 PM	
7	Wednesday	21/3/2018	B.A.2		History
			B.A.3		
			B.A. Sem 2		Home
8	Thursday	22/3/2018	B.A.2	10:00 AM To 01:00 PM	Economics
			B.A.3		Leonomies

rdinator, IQAC Arts & Commerce College, Jarud

Principal

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र २०१८-१९ मधील वर्ग कार्ट्रा, २, उ - च्या प्रधमचाचकी परीक्षा दिनांक 131८ रि०१८ पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

Arts & Commerce College, Jarud

### Arts And Commerce College Jarud,Dist. Amravati First Unit Test Time Table 2018-19

Sr. No.	Day	Date	Class	Time	Subject
			B.A. Sem 1		Comp.
1	1 Monday	13/08/2018	B.A. Sem 3	11:00 AM To 12:00 PM	Marathi
			B.A.3		Iviaraan
			B.A. Sem 1		Comp.
2	Tuesday	14/08/2018	B.A. Sem 3	11:00 AM To 12:00 PM	English
			B.A.3		Linghish
			B.A. Sem 1		Marathi
3	Wednesday	15/08/2018	B.A. Sem 3	11:00 AM To 12:00 PM	Literature
	MAR AND A		B.A.3		
			B.A. Sem 1	11:00 AM To 12:00 PM	Political Science
4	Thursday	16/08/2018	B.A. Sem 3		
	- and the second		B.A.3		
		lay 18/08/2018	B.A. Sem 1	11:00 AM To 12:00 PM	Economics
5	Saturday		B.A. Sem 3		
			B.A.3		
			B.A. Sem 1		
6	Monday	20/08/2018	B.A. Sem 3	11:00 AM To 12:00 PM	Sociology
			B.A.3		
			B.A. Sem 1		
7	Tuesday	21/08/2018	B.A. Sem 3	11:00 AM To 12:00 PM	History
			B.A.3		
			B.A. Sem 1		Home
8	Thursday	23/08/2018	B.A. Sem 3	11:00 AM To 12:00 PM	Economics
	Contraction of the		B.A.3		Leonomies

C tor. dina IQAQ Arts & Commerce College, Jarud

Principal Artis & Commerce College

Jarud, Ta. Werud, Dist. Amravati

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र <sup>2219-19---</sup> मधील वर्ग <sup>BAT,TF,TF</sup> च्याद्धितीष चाच्चलिपरीक्षा दिनांक <u>आशित्र 2012</u> पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

सूचना

Co-0 Arts & Commerce College, Jarud

प्राचार

#### Arts And Commerce College Jarud, Dist. Amravati Second Unit Test Time Table 2018-19

Sr. No.	Day	Date	Class	Time	Subject
1	Monday	8/10/2018	B.A. Sem 1 B.A. Sem 3	11:00 AM To 12:00 PM	Comp. Marathi
2	Tuesday	9/10/2018	B.A.3 B.A. Sem 1 B.A. Sem 3	11:00 AM To 12:00 PM	Comp.
-	Tuesday	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	B.A.3 B.A. Sem 1		English
3	Wednesday	10/10/2018	B.A. Sem 3 B.A.3	11:00 AM To 12:00 PM	Marathi Literature
4	Thursday	11/10/2018	B.A. Sem 1 B.A. Sem 3 B.A.3	11:00 AM To 12:00 PM	Political Science
5	Friday	12/10/2018	B.A. Sem 1 B.A. Sem 3 B.A.3	11:00 AM To 12:00 PM	Economics
6	Saturday	13/10/2018	B.A. Sem 1 B.A. Sem 3 B.A.3	11:00 AM To 12:00 PM	Sociology
7	Monday	15/10/2018	B.A. Sem 1 B.A. Sem 3 B.A.3	11:00 AM To 12:00 PM	History
8	Tuesday	16/10/2018	B.A. Sem 1 B.A. Sem 3 B.A.3	11:00 AM To 12:00 PM	Home Economics

Co-ordinator, IQAC Arts & Commerce College, Jarud

Principal

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र २९२८-२८ मधील वर्ग क्रिल्ट पत्रत्उ च्या-सिसरीच्यायश्री परीक्षा दिनांक <u>मार्थ्य र</u>ूप्र पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

IOA Arts & Commerce College, Jarud

Sr. No.	Day	Date	Class	Time	Subject
			B.A. Sem 2		Comp.
1	Friday	7/12/2018	B.A. Sem 4	11:00 AM To 12:00 PM	Marathi
	and the second second		B.A.3		
			B.A. Sem 2		Comp.
2	Saturday	8/12/2018	B.A. Sem 4	11:00 AM To 12:00 PM	English
			B.A.3		English
3.19			B.A. Sem 2		Marathi
3	Tuesday	11/12/2018	B.A. Sem 4	11:00 AM To 12:00 PM	Literature
			B.A.3		
	Wednesday	nesday 12/12/2018	B.A. Sem 2	11:00 AM To 12:00 PM	Political Science
4			B.A. Sem 4		
			B.A.3		
		Thursday 13/12/2018	B.A. Sem 2	11:00 AM To 12:00 PM	Economics
5	Thursday		B.A. Sem 4		
			B.A.3		
			B.A. Sem 2	11:00 AM To 12:00 PM	
6	Friday	14/12/2018	B.A. Sem 4		Sociology
			B.A.3		
			B.A. Sem 2		
7	Saturday	15/12/2018	B.A. Sem 4	11:00 AM To 12:00 PM	History
			B.A.3		
			B.A. Sem 2		Home
8	Monday	17/12/2018	B.A. Sem 4	11:00 AM To 12:00 PM	Home
			B.A.3		Economics

#### Arts And Commerce College Jarud, Dist. Amravati Third Unit Test Time Table 2018-19

Co instor. IQAÇ Arts & Commerce College, Jarud

Principal ~

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र 2018-19--- मधील वर्ग BAT प्राण्या च्या-चवकी-सान्यकी परीक्षा दिनांक 41212019-पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

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Arts & Commerce College Jarud, Ta. Werud, Dist. Amravati

IOAC Arts & Commerce College, Jarud

Sr. No.	Day	Date	Class	Time	Subject
			B.A. Sem 2		Comp.
1	Monday	4/2/2019	B.A. Sem 4	11:00 AM To 12:00 PM	Marathi
			B.A.3		
			B.A. Sem 2		Comp.
2	Tuesday	5/2/2019	B.A. Sem 4	11:00 AM To 12:00 PM	English
			B.A.3		Linghom
		THE BURE	B.A. Sem 2		Marathi
3	Wednesday	6/2/2019	B.A. Sem 4	11:00 AM To 12:00 PM	Literature
C. I.			B.A.3		
1.1.5		and the second second	B.A. Sem 2		Political
4	Thursday	7/2/2019	B.A. Sem 4	11:00 AM To 12:00 PM	Science
			B.A.3		
			B.A. Sem 2		
5	Friday	8/2/2019	B.A. Sem 4	11:00 AM To 12:00 PM	Economics
			B.A.3		
			B.A. Sem 2		
6	Saturday	9/2/2019	B.A. Sem 4	11:00 AM To 12:00 PM	Sociology
			B.A.3		
			B.A. Sem 2		
7	Monday	11/2/2019	B.A. Sem 4	11:00 AM To 12:00 PM	History
			B.A.3		
			B.A. Sem 2		Home
8	Tuesday	12/2/2019	B.A. Sem 4	11:00 AM To 12:00 PM	Economics
			B.A.3		Economics

#### Arts And Commerce College Jarud,Dist. Amravati Fourth Unit Test Time Table 2018-19

Co-ordinator IQAC Arts & Commerce College, Jarud

Principal

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र 2018-19--- मधील वर्ग <u>के र, प्र, प्र</u> च्या<u>सात्रय चाचल</u>परीक्षा दिनांक <u>1413</u> 229 पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

Arts & Commerce College, Jarud

#### Arts And Commerce College Jarud,Dist. Amravati Common Test Time Table 2018-19

Sr. No.	Day	Date	Class	Time	Subject
			B.A. Sem 2		Comp. Marathi
1	Thursday	14/03/2019	B.A. Sem 4	10:00 AM To 01:00 PM	
			B.A.3		
			B.A. Sem 2		Comp.
2	Friday	15/03/2019	B.A. Sem 4	10:00 AM To 01:00 PM	English
			B.A.3		English
			B.A. Sem 2		Marathi
3	Saturday	16/03/2019	B.A. Sem 4	10:00 AM To 01:00 PM	Literature
			B.A.3		Literature
ac the			B.A. Sem 2		Political Science
4	Monday	18/03/2019	B.A. Sem 4	10:00 AM To 01:00 PM	
	- Ingenting		B.A.3		
		19/03/2019	B.A. Sem 2	10:00 AM To 01:00 PM	Economics
5	Tuesday		B.A. Sem 4		
	Sec. Park		B.A.3		
	TRACT NET		B.A. Sem 2		
6	Wednesday	20/03/2019	B.A. Sem 4	10:00 AM To 01:00 PM	Sociology
			B.A.3		
			B.A. Sem 2		
7	Friday	22/03/2019	B.A. Sem 4	10:00 AM To 01:00 PM	History
	in a success in	The state of the state of the	B.A.3		
			B.A. Sem 2		II
8	Saturday	23/03/2019	B.A. Sem 4	10:00 AM To 01:00 PM	Home
			B.A.3		Economics

Colo IQAC Arts & Commerce College, Jarud

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Principal Arts & Commerce College Jarud, Ta. Werud, Dist. Amravari

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महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र <u>2016 रू</u> मधील वर्ग <u>6A T. प. गा</u> च्या<u>प्रवक्त चाचढ</u>ी परीक्षा दिनांक <u>12-8-2019</u> पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

Co IQAC Arts & Commerce Cøllege, Jarud

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

#### Arts And Commerce College Jarud,Dist. Amravati First Unit Test Time Table 2019-20

Sr. No.	Day	Date	Class	Time	Subject
			B.A. Sem 1		Comp. Marathi
1	Monday	12/8/2019	B.A. Sem 3	11:00 AM To 12:00 PM	
			B.A. Sem 5		Widiatin
			B.A. Sem 1		Comp.
2	Tuesday	13/08/2019	B.A. Sem 3	11:00 AM To 12:00 PM	English
			B.A. Sem 5		Linghish
			B.A. Sem 1		Marathi
3	Wednesday	14/08/2019	B.A. Sem 3	11:00 AM To 12:00 PM	Literature
			B.A. Sem 5		
1. Star			B.A. Sem 1		Political Science
4	Friday	16/08/2019	B.A. Sem 3	11:00 AM To 12:00 PM	
	and the second		B.A. Sem 5		
			B.A. Sem 1		
5	Monday	19/08/2019	B.A. Sem 3	11:00 AM To 12:00 PM	Economics
			B.A. Sem 5		
1		BH TO STATES	B.A. Sem 1		
6	Tuesday	20/08/2019	B.A. Sem 3	11:00 AM To 12:00 PM	Sociology
3	i se se la sulficie d		B.A. Sem 5		
			B.A. Sem 1		
7	Wednesday	21/08/2019	B.A. Sem 3	11:00 AM To 12:00 PM	History
1			B.A. Sem 5		
			B.A. Sem 1		Hame
8	Thursday	22/08/2019	B.A. Sem 3	11:00 AM To 12:00 PM	Home
			B.A. Sem 5		Economics

Co-ordinator, IQAC Arts & Commerce College, Jarud

Principal >

Arts & Commerce College Jarud, Ta. Werud, Dist. Amravati

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र <u>2012-20</u> मधील वर्ग <u>60 मन्त्रम</u> च्याद्वितीय चाच्छी परीक्षा दिनांक <u>1619119</u> पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

Arts & Commerce College, Jarud

Arts & Commerce College Jarud, Ta. Werud, Dist. Amravati

Sr. No.	Day	Date	Class	Time	Subject
1	Monday	16/09/2019	B.A. Sem 1 B.A. Sem 3	11:00 AM To 12:00 PM	Comp.
			B.A. Sem 5		Marathi
11			B.A. Sem 1		Comp
2	Tuesday	17/09/2019	B.A. Sem 3	11:00 AM To 12:00 PM	Comp. English
1			B.A. Sem 5		English
2		10/00/0010	B.A. Sem 1		Marathi
3	Wednesday	18/09/2019	B.A. Sem 3	11:00 AM To 12:00 PM	Marathi Literature Political Science
-			B.A. Sem 5		and the second
		10/00/00/00	B.A. Sem 1	_	
4	Thursday	19/09/2019	B.A. Sem 3	11:00 AM To 12:00 PM	
-			B.A. Sem 5		
5	E. dans	20/00/2010	B.A. Sem 1		
5	Friday	20/09/2019	B.A. Sem 3	11:00 AM To 12:00 PM	Economics
			B.A. Sem 5		
6	Saturday	21/09/2019	B.A. Sem 1 B.A. Sem 3	11.00 AN ( T- 12.00 DM	0.1
0	Saturday	21/09/2019	B.A. Sem 5 B.A. Sem 5	11:00 AM To 12:00 PM	Sociology
			B.A. Sem 3 B.A. Sem 1		
7	Monday	23/09/2019	B.A. Sem 1 B.A. Sem 3	11.00 ANT - 12.00 DM	TT
1	wonday	23/09/2019		11:00 AM To 12:00 PM	History
			B.A. Sem 5		
8	Tuesday	24/00/2010	B.A. Sem 1	11.00 AM To 10.00 DM	Home
0	Tuesday	24/09/2019	B.A. Sem 3	11:00 AM To 12:00 PM	Economics
-			B.A. Sem 5		

#### Arts And Commerce College Jarud,Dist. Amravati Second Unit Test Time Table 2019-20

Principal

Co-Ordinator, IQAC Arts & Commerce College, Jarud

Arts & Commerce College Jarud, Ta. Werud, Dist. Amravati

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र <u>2019-20</u> मधील वर्ग <u>BATATE</u> च्या-ट्या-ट्या-ट्या-ट्या-सिष्प-चान्यकीपरीक्षा दिनांक <u>1811119</u>--पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

nator. Arts & Commerce College, Jarud

Sr. No.	Day	Date	Class	Time	Subject
			B.A. Sem 2		Comm
1	Monday	18/11/2019	B.A. Sem 4	11:00 AM To 12:00 PM	Comp. Marathi
			B.A. Sem 6		Iviaraum
			B.A. Sem 2		Comp.
2	Tuesday	19/11/2019	B.A. Sem 4	11:00 AM To 12:00 PM	English
		Self Steller III	B.A. Sem 6		English
			B.A. Sem 2		Marathi
3	Wednesday	20/11/2019	B.A. Sem 4	11:00 AM To 12:00 PM	Literature
			B.A. Sem 6		
			B.A. Sem 2		Political Science
4	Thursday	21/11/2019	B.A. Sem 4	11:00 AM To 12:00 PM	
114			B.A. Sem 6		
	Friday	riday 22/11/2019	B.A. Sem 2	11:00 AM To 12:00 PM	Economics
5			B.A. Sem 4		
			B.A. Sem 6		
			B.A. Sem 2		
6	Saturday	23/11/2019	B.A. Sem 4	11:00 AM To 12:00 PM	Sociology
	A Contract of the		B.A. Sem 6		
1.5			B.A. Sem 2		
7	Monday	25/11/2019	B.A. Sem 4	11:00 AM To 12:00 PM	History
			B.A. Sem 6		
			B.A. Sem 2		Home
8	Tuesday	26/11/2019	B.A. Sem 4	11:00 AM To 12:00 PM	Economics
			B.A. Sem 6		Leonomies

#### Arts And Commerce College Jarud, Dist. Amravati Third Unit Test Time Table 2019-20

e nator, IQAC Arts & Commerce College, Jarud

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Principal

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र <u>2019-20-</u> मधील वर्ग <u>RATIT, म</u>- च्या-चवधी न्यायकीपरीक्षा दिनांक <u>15/112020</u> पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

Arts & Commerce College, Jarud

Principal

#### Arts And Commerce College Jarud, Dist. Amravati Fourth Unit Test Time Table 2019-20

Sr. No.	Day	Date	Class	Time	Subject
	Monday		B.A. Sem 2		Comm
1		13/1/2020	B.A. Sem 4	11:00 AM To 12:00 PM	Comp. Marathi
	Sec. Sec.		B.A. Sem 6		Iviaratin
			B.A. Sem 2		Comp.
2	Tuesday	14/1/2020	B.A. Sem 4	11:00 AM To 12:00 PM	English
			B.A. Sem 6		Linghish
			B.A. Sem 2		Marathi
3	Wednesday	15/1/2020	B.A. Sem 4	11:00 AM To 12:00 PM	Literature
-			B.A. Sem 6		
			B.A. Sem 2		Political Science
4	Thursday	16/1/2020	B.A. Sem 4	11:00 AM To 12:00 PM	
			B.A. Sem 6		
		17/1/2020	B.A. Sem 2	11:00 AM To 12:00 PM	Economics
5	Friday		B.A. Sem 4		
			B.A. Sem 6		
			B.A. Sem 2		
6	Saturday	18/1/2020	B.A. Sem 4	11:00 AM To 12:00 PM	Sociology
			B.A. Sem 6		
			B.A. Sem 2	11:00 AM To 12:00 PM	
7	Monday	20/1/2020	B.A. Sem 4		History
			B.A. Sem 6		
			B.A. Sem 2		Home
8	Tuesday	21/1/2020	B.A. Sem 4	11:00 AM To 12:00 PM	Home
			B.A. Sem 6		Economics

e dinator IQAC Arts & Commerce College, Jarud

Principal

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र 2004-20 मधील वर्ग 847, प्रान्ग च्या-सामात्य चाचर्क्षप्रीक्षा दिनांक 2012120-20 पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

Arts & Commerce College, Jarud

Arts & Commerce College Jarud, Ta. Werud, Dist. Amravati

#### Arts And Commerce College Jarud,Dist. Amravati Common Test Time Table 2019-20

Sr. No.	Day	Date	Class	Time	Subject
1	Thursday	20/02/2020	B.A. Sem 2 B.A. Sem 4	10:00 AM To 01:00 PM	Comp. Marathi
			B.A. Sem 6 B.A. Sem 2		
2	Saturday	22/02/2020	B.A. Sem 4 B.A. Sem 6	10:00 AM To 01:00 PM	Comp. English
3	Monday	24/02/2020	B.A. Sem 2 B.A. Sem 4	10:00 AM To 01:00 PM	Marathi Literature
			B.A. Sem 6 B.A. Sem 2		
4	Tuesday	25/02/2020	B.A. Sem 2 B.A. Sem 4 B.A. Sem 6	10:00 AM To 01:00 PM	Political Science
5	Wednesday	26/02/2020	B.A. Sem 2 B.A. Sem 4 B.A. Sem 6	10:00 AM To 01:00 PM	Economics
6	Thursday	27/02/2020	B.A. Sem 2 B.A. Sem 4 B.A. Sem 6	10:00 AM To 01:00 PM	Sociology
7	Friday	28/02/2020	B.A. Sem 2 B.A. Sem 4 B.A. Sem 6	10:00 AM To 01:00 PM	History
8	Saturday	29/02/2020	B.A. Sem 2 B.A. Sem 4 B.A. Sem 6	10:00 AM To 01:00 PM	Home Economics

Contrainator, IQXC Arts & Commerce College, Jarud

Principal Aris & Commerce College Jarud, Ta. Werud, Dist. Amravati

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र 2020-21- मधील वर्ग <u>(3AT.II.II)</u> च्या-प्रथम चान्यकी-परीक्षा दिनांक <u>28(5)2020</u> पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

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### Arts And Commerce College Jarud,Dist. Amravati First Unit Test Time Table 2020-21

Sr. No.	Day	Date	Class	Time	Subject
			B.A. Sem 1		Comm
1	Monday	28/09/2020	B.A. Sem 3	11:00 AM To 12:00 PM	Comp. Marathi
			B.A. Sem 5		Iviaraun
			B.A. Sem 1		Comp.
2	Tuesday	29/09/2020	B.A. Sem 3	11:00 AM To 12:00 PM	English
			B.A. Sem 5		Linghish
			B.A. Sem 1		Marathi
3	Wednesday	30/09/2020	B.A. Sem 3	11:00 AM To 12:00 PM	Literature
			B.A. Sem 5		Diterature
			B.A. Sem 1		Political
4	Thursday	1/10/2020	B.A. Sem 3	11:00 AM To 12:00 PM	Science
	- Internation	Land And And And And And And And And And A	B.A. Sem 5		
		3/10/2020	B.A. Sem 1	11:00 AM To 12:00 PM	Economics
5	Saturday		B.A. Sem 3		
			B.A. Sem 5		
19-19		Monday 5/10/2020	B.A. Sem 1	11:00 AM To 12:00 PM	Sociology
6	Monday		B.A. Sem 3		
			B.A. Sem 5		
			B.A. Sem 1	11:00 AM To 12:00 PM	
7	Tuesday	6/10/2020	B.A. Sem 3		History
	P. S. Antalan -		B.A. Sem 5		
			B.A. Sem 1		Home
8	Wednesday	7/10/2020	B.A. Sem 3	11:00 AM To 12:00 PM	
STL.			B.A. Sem 5		Economics

ator, IOAC Arts & Commerce College, Jarud

Principal

Arts & Commerce College Jarud, Ta. Werud, Dist. Amravati

# सूचना

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र <sup>2626-21</sup> मधील वर्ग काल्लार, उ<sup>-</sup> च्याद्वितीय चाच्छतिपरीक्षा दिनांक <u>281002020</u> पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

Principal

Aris & Commerce College Jarud, Ta. Werud, Dist. Amravati

Arts & Commerce College, Jarud

#### Arts And Commerce College Jarud,Dist. Amravati Second Unit Test Time Table 2020-21

Sr. No.	Day	Date	Class	Time	Subject
			B.A. Sem 1		Comp.
1	Wednesday	28/10/2020	B.A. Sem 3	11:00 AM To 12:00 PM	Marathi
	A state of the state of the		B.A. Sem 5		Iviaiaun
1			B.A. Sem 1		Comp.
2	Thursday	29/10/2020	B.A. Sem 3	11:00 AM To 12:00 PM	English
			B.A. Sem 5		English
1.9		1999. V 28 - 1.	B.A. Sem 1		Marathi
3	Saturday	31/10/2020	B.A. Sem 3	11:00 AM To 12:00 PM	Literature
			B.A. Sem 5		
11.5	Monday	Monday 2/11/2020	B.A. Sem 1	11:00 AM To 12:00 PM	Political Science
4			B.A. Sem 3		
	State Day of		B.A. Sem 5		
		Tuesday 3/11/2020	B.A. Sem 1	11:00 AM To 12:00 PM	Economics
5	Tuesday		B.A. Sem 3		
			B.A. Sem 5		
1			B.A. Sem 1	11:00 AM To 12:00 PM	Sociology
6	Wednesday	4/11/2020	B.A. Sem 3		
			B.A. Sem 5		
			B.A. Sem 1		
7	Thursday	5/11/2020	B.A. Sem 3	11:00 AM To 12:00 PM	History
			B.A. Sem 5		
			B.A. Sem 1	11:00 AM To 12:00 PM	Hama
8	Friday	6/11/2020	B.A. Sem 3		Home
			B.A. Sem 5		Economics

C6-6 ator, IQAC Arts & Commerce College, Jarud

Principal

Arts & Commerce College Jarud, Ta. Werud, Dist. Amravati

## सूचना

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र <u>2020 - 21</u> मधील वर्ग <u>BA-I.II.II</u> च्या <u>Third Unit f</u>et्तरीक्षा दिनांक <u>21/01/2021</u> पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

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Arts & Commerce College, Jarud

Principal Arts & Commerce College Jarud, Ta. Werud, Dist. Amravati

#### Arts And Commerce College Jarud,Dist. Amravati Third Unit Test Time Table 2020-21

Sr. No.	Day	Date	Class	Time	Subject
			B.A. Sem 2		Comp.
1	Thursday	21/01/2021	B.A. Sem 4	11:00 AM To 12:00 PM	Marathi
			B.A. Sem 6		Iviaratin
			B.A. Sem 2		Comp.
2	Friday	22/01/2021	B.A. Sem 4	11:00 AM To 12:00 PM	English
			B.A. Sem 6		Englion
			B.A. Sem 2		Marathi
3	Saturday	23/01/2021	B.A. Sem 4	11:00 AM To 12:00 PM	Literature
		1	B.A. Sem 6		
	Monday	Monday 25/01/2021	B.A. Sem 2	11:00 AM To 12:00 PM	Political Science
4			B.A. Sem 4		
			B.A. Sem 6		
		day 27/01/2021	B.A. Sem 2	11:00 AM To 12:00 PM	Economics
5	Wednesday		B.A. Sem 4		
	140 - 140 - 14 - 18 - 18 - 18 - 18 - 18 - 18 - 18		B.A. Sem 6		
			B.A. Sem 2	11:00 AM To 12:00 PM	
6	Thursday	28/01/2021	B.A. Sem 4		Sociology
			B.A. Sem 6		
			B.A. Sem 2		REAL REAL PROPERTY.
7	Friday	29/01/2021	B.A. Sem 4	11:00 AM To 12:00 PM	History
	11 1 - 18 <u>1</u> 2 5 9		B.A. Sem 6		
			B.A. Sem 2		Home
8	Saturday	30/01/2021	B.A. Sem 4	11:00 AM To 12:00 PM	Economics
13.44		A LING	B.A. Sem 6		Leonomies

Co-ordinator, IQAC Arts & Commerce College, Jarud

Principal

Arts & Commerce College Jarud, Ta. Werud, Dist. Amravati

# सूचना

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र 2020-21 मधील वर्ग <u>BA-1,11,11</u> च्य<u>िण्णके Vnil Test</u>परीक्षा दिनांक <u>Islo312021</u> पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

IOAC

Arts & Commerce College, Jarud

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

Sr. No.	Day	Date	Class	Time	Subject	
1	Monday	15/03/2021	B.A. Sem 2 B.A. Sem 4	11:00 AM To 12:00 PM	Comp. Marathi	
-			B.A. Sem 6 B.A. Sem 2			
2	Tuesday	16/03/2021	B.A. Sem 4	11:00 AM To 12:00 PM	Comp. English	
-			B.A. Sem 6 B.A. Sem 2			
3	Wednesday	17/03/2021	B.A. Sem 4	11:00 AM To 12:00 PM	Marathi Literature	
				B.A. Sem 6 B.A. Sem 2		Political
4	Thursday	rsday 18/03/2021	B.A. Sem 4 B.A. Sem 6	11:00 AM To 12:00 PM	Science	
		19/03/2021	B.A. Sem 2	11:00 AM To 12:00 PM	Economics	
5	Friday		B.A. Sem 4 B.A. Sem 6			
	<b>a</b> 1	00/00/0001	B.A. Sem 2		Sociology	
6	Saturday	20/03/2021	B.A. Sem 4 B.A. Sem 6	11:00 AM To 12:00 PM		
7	Mandau	22/02/2021	B.A. Sem 2	11.00 AM To 12.00 DM	Llistom	
1	Monday	Aonday 22/03/2021	B.A. Sem 4 B.A. Sem 6	11:00 AM To 12:00 PM	History	
8	Tuesday	23/03/2021	B.A. Sem 2 B.A. Sem 4	11:00 AM To 12:00 PM	Home	
0	o Tuesday	Tuesday 23/03/2021	B.A. Sem 6	11:00 AM 10 12:00 PM	Economics	

#### Arts And Commerce College Jarud,Dist. Amravati Fourth Unit Test Time Table 2020-21

Celle ator, IOAC Arts & Commerce College, Jarud

Principal

Arts & Commerce College Jarud, Ta. Werud, Dist. Amravati

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र 2020-21 मधील वर्ग <u>BP-LTLT</u> च्या<u>Common Tes</u>्रपरीक्षा दिनांक <u>14/04/2021</u> पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

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Arts & Commerce College, Jarud

प्राचार्य

Arts & Commerce College Jarud, Ta. Werud, Dist. Amravati

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Sr. No.	Day	Date	Class	Time	Subject
			B.A. Sem 2		0
1	Wednesday	14/04/2021	B.A. Sem 4	10:00 AM To 01:00 PM	Comp. Marathi
	L		B.A. Sem 6		Iviaratin
			B.A. Sem 2		Comm
2	Thursday	15/04/2021	B.A. Sem 4	10:00 AM To 01:00 PM	Comp. English
			B.A. Sem 6	a the first first first	English
			B.A. Sem 2		Marathi
3	Friday	16/04/2021	B.A. Sem 4	10:00 AM To 01:00 PM	Literature
1			B.A. Sem 6		
	Monday	day 19/04/2021	B.A. Sem 2	10:00 AM To 01:00 PM	Political Science
4			B.A. Sem 4		
			B.A. Sem 6		
		sday 20/04/2021	B.A. Sem 2	10:00 AM To 01:00 PM	Economics
5	Tuesday		B.A. Sem 4		
	A Star South		B.A. Sem 6		
			B.A. Sem 2	10:00 AM To 01:00 PM	
6	Wednesday	21/04/2021	B.A. Sem 4		Sociology
			B.A. Sem 6		
			B.A. Sem 2		States and States
7	Thursday	22/04/2021	B.A. Sem 4	10:00 AM To 01:00 PM	History
			B.A. Sem 6		
			B.A. Sem 2		IIama
8	Friday	23/04/2021	B.A. Sem 4	10:00 AM To 01:00 PM	Home
			B.A. Sem 6		Economics

#### Arts And Commerce College Jarud,Dist. Amravati Common Test Time Table 2020-21

Co-ordinator. IQAG Arts & Commerce College, Jarud

Principal

Arts & Commerce College Jarud, Ta. Werud, Dist. Amravail

# सूचना

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र 2021- 2.2 मधील वर्ग 80-1.100 - च्या मिर्द्य Unit Tert्यरीक्षा दिनांक 22/07/2021 Bsc - I ?? पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वानी याची नोंद घ्यावी. तसेच परिक्षेला सर्वानी उपस्तीत राहावे.

Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

Co-profile Arts & Commerce College, Jarud

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#### Arts And Commerce College Jarud,Dist. Amravati First Unit Test Time Table 2021-22

Sr. No.	Day	Date	Class	Time	Subject
			B.A. Sem 1		C
1	Thursday	22/07/2021	B.A. Sem 3	11:00 AM To 12:00 PM	Comp. Marathi
			B.A. Sem 5		Iviaraum
			B.A. Sem 1		Comp
2	Friday	23/07/2021	B.A. Sem 3	11:00 AM To 12:00 PM	Comp. English
Same			B.A. Sem 5		Lighti
			B.A. Sem 1		Marathi
3	Monday	26/07/2021	B.A. Sem 3	11:00 AM To 12:00 PM	Literature
100			B.A. Sem 5		
	Tuesday	uesday 27/07/2021	B.A. Sem 1		Political Science
4			B.A. Sem 3	11:00 AM To 12:00 PM	
			B.A. Sem 5		
		Vednesday 28/07/2021	B.A. Sem 1	11:00 AM To 12:00 PM	Economics
5	Wednesday		B.A. Sem 3		
			B.A. Sem 5		
			B.A. Sem 1		
6	Thursday	29/07/2021	B.A. Sem 3	11:00 AM To 12:00 PM	Sociology
1			B.A. Sem 5		
1.5			B.A. Sem 1		
7	Friday	30/07/2021	B.A. Sem 3	11:00 AM To 12:00 PM	History
			B.A. Sem 5		
			B.A. Sem 1		Hame
8	Saturday	31/07/2021	B.A. Sem 3	11:00 AM To 12:00 PM	Home
			B.A. Sem 5		Economics

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Principal

Arts & Commerce College Jarud, Ta. Werud, Dist. Amravati

## Arts And Commerce College Jarud, Dist. Amravati First Unit Test

_	science		Time Table 2	021-22	
Sr. No.	Day	Date	Class	Time	Subject
1	Thursday	22/07/2021	B.Sc. Sem 1	11:00 AM To 12:00 PM	Marathi
2	Friday	23/07/2021	B.Sc. Sem 1	11:00 AM To 12:00 PM	English
3	Monday	26/07/2021	B.Sc. Sem 1	11:00 AM To 12:00 PM	Physics
4	Tuesday	27/07/2021	B.Sc. Sem 1	11:00 AM To 12:00 PM	Chemistry
5	Wednesday	28/07/2021	B.Sc. Sem 1	11:00 AM To 12:00 PM	Mathematics
6	Thursday	29/07/2021	B.Sc. Sem 1	11:00 AM To 12:00 PM	Botany
7	Friday	30/07/2021	B.Sc. Sem 1	11:00 AM To 12:00 PM	Zoology
8	Saturday	31/07/2021	B.Sc. Sem 1	11:00 AM To 12:00 PM	Computer
9	Monday	2/8/2021	B.Sc. Sem 1	11:00 AM To 12:00 PM	Electronics

Co-ordinator. IQAQ Arts & Commerce College, Jarud

Principal Ants & Commerce College Jarud, Ta. Warud, Dist. Amravati

# सूचना

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र 2021-22 मधील वर्ग <u>98.6-1.11.11</u> च्या<u>Second Unit</u> परीक्षा दिनांक <u>21 /0912027</u> 98.56-1<sup>54</sup> गहर्ज पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

Arts & Commerce College, Jarud

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

#### Arts And Commerce College Jarud,Dist. Amravati Second Unit Test Time Table 2021-22

Sr. No.	Day	Date	Class	Time	Subject
			B.A. Sem 1		Comm
1	Tuesday	21/09/2021	B.A. Sem 3	11:00 AM To 12:00 PM	Comp. Marathi
			B.A. Sem 5		Widiatili
			B.A. Sem 1		Comp
2	Wednesday	22/09/2021	B.A. Sem 3	11:00 AM To 12:00 PM	Comp.
			B.A. Sem 5		English
			B.A. Sem 1		Manathi
3	Thursday	23/09/2021	B.A. Sem 3	11:00 AM To 12:00 PM	Marathi Literature
			B.A. Sem 5		
	Friday	Friday 24/09/2021	B.A. Sem 1		Political Science
4			B.A. Sem 3	11:00 AM To 12:00 PM	
3			B.A. Sem 5		
1 23			B.A. Sem 1	11:00 AM To 12:00 PM	Economics
5	Saturday		B.A. Sem 3		
		and produced in	B.A. Sem 5		
			B.A. Sem 1	11:00 AM To 12:00 PM	
6	Monday	27/09/2021	B.A. Sem 3		Sociology
			B.A. Sem 5		0,
			B.A. Sem 1		
7	Tuesday	28/09/2021	B.A. Sem 3	11:00 AM To 12:00 PM	History
		- de Ville ale	B.A. Sem 5		
			B.A. Sem 1		II
8	Wednesday	29/09/2021	B.A. Sem 3	11:00 AM To 12:00 PM	Home
			B.A. Sem 5		Economics

Co-ordinator, IQAC Arts & Commerce College, Jarud

Principal

Arts & Commerce College Jarud, Ta. Werud, Dist. Amarcu

## Arts And Commerce College Jarud,Dist. Amravati Second Unit Test Time Table 2021-22

Sr. No.	Day	Date	Class	Time	Subject
1	Tuesday	21/09/2021	B.Sc. Sem 1	11:00 AM To 12:00 PM	Marathi
2	Wednesday	22/09/2021	B.Sc. Sem 1	11:00 AM To 12:00 PM	English
3	Thursday	23/09/2021	B.Sc. Sem 1	11:00 AM To 12:00 PM	Physics
4	Friday	24/09/2021	B.Sc. Sem 1	11:00 AM To 12:00 PM	Chemistry
5	Saturday	25/09/2021	B.Sc. Sem 1	11:00 AM To 12:00 PM	Mathematics
6	Monday	27/09/2021	B.Sc. Sem 1	11:00 AM To 12:00 PM	Botany
7	Tuesday	28/09/2021	B.Sc. Sem 1	11:00 AM To 12:00 PM	Zoology
8	Wednesday	29/09/2021	B.Sc. Sem 1	11:00 AM To 12:00 PM	Computer Science
9	Thursday	30/09/2021	B.Sc. Sem 1	11:00 AM To 12:00 PM	Electronics

gator, Co-ordi IQAC Arts & Commerce College, Jarud

Principal

Arts & Commerce Collegie Jarud, Ta. Warud, Dist. Amrevati

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र 2021-22 मधील वर्ग <u>अहत-म्या</u> च्या <u>फिल्ले Unit</u> Ter्र्यरीक्षा दिनांक <u>03/012022</u> 9856-19 पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वानी याची नोंद घ्यावी. तसेच परिक्षेला सर्वानी उपस्तीत राहावे.

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravat

Co-oronator, IOAC Arts & Commerce College, Jarud

सूचना

Sr. No.	Day	Date	Class	Time	Subject
			B.A. Sem 2		Comp.
1	Monday	3/1/2022	B.A. Sem 4	11:00 AM To 12:00 PM	Marathi
	5 D. S. 18 1.5		B.A. Sem 6		Ividiatiii
			B.A. Sem 2		Comp.
2	Tuesday	4/1/2022	B.A. Sem 4	11:00 AM To 12:00 PM	English
		Part Barris Dawn	B.A. Sem 6		English
			B.A. Sem 2		Marathi
3	Thursday	6/1/2022	B.A. Sem 4	11:00 AM To 12:00 PM	Literature
	M		B.A. Sem 6		Laterature
	Friday	riday 7/1/2022	B.A. Sem 2	11:00 AM To 12:00 PM	Political Science
4			B.A. Sem 4		
			B.A. Sem 6		
		aturday 8/1/2022	B.A. Sem 2	11:00 AM To 12:00 PM	Economics
5	Saturday		B.A. Sem 4		
	11 -12 -1 -12 -131		B.A. Sem 6	C. A Contract Contract	
			B.A. Sem 2		
6	Monday	10/1/2022	B.A. Sem 4	11:00 AM To 12:00 PM	Sociology
			B.A. Sem 6	Constant and the second second second	
			B.A. Sem 2		
7	Tuesday	11/1/2022	B.A. Sem 4	11:00 AM To 12:00 PM	History
1.1-1.1			B.A. Sem 6		
			B.A. Sem 2		Home
8	Saturday	15/1/2022	B.A. Sem 4	11:00 AM To 12:00 PM	Economics
			B.A. Sem 6		Economics

#### Arts And Commerce College Jarud,Dist. Amravati Third Unit Test Time Table 2021-22

Co tor. IQAÇ Arts & Commerce College, Jarud

Principal

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

Sr. No.	Day	Date	Class	Time	Subject
1	Monday	3/1/2022	B.Sc. Sem 2	11:00 AM To 12:00 PM	Marathi
2	Tuesday	4/1/2022	B.Sc. Sem 2	11:00 AM To 12:00 PM	English
3	Thursday	6/1/2022	B.Sc. Sem 2	11:00 AM To 12:00 PM	Physics
4	Friday	7/1/2022	B.Sc. Sem 2	11:00 AM To 12:00 PM	Chemistry
5	Saturday	8/1/2022	B.Sc. Sem 2	11:00 AM To 12:00 PM	Mathematics
6	Monday	10/1/2022	B.Sc. Sem 2	11:00 AM To 12:00 PM	Botany
7	Tuesday	11/1/2022	B.Sc. Sem 2	11:00 AM To 12:00 PM	Zoology
8	Saturday	15/1/2022	B.Sc. Sem 2	11:00 AM To 12:00 PM	Computer Science
9	Monday	17/09/2021	B.Sc. Sem 2	11:00 AM To 12:00 PM	Electronics

#### Arts And Commerce College Jarud, Dist. Amravati Third Unit Test Time Table 2021-22

Co-ordinator, IQAC Arts & Commerce College, Jarud

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Arts & Commerce Collego Jarud, Ta. Warud, Dist. Amravati

## सूचना

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र 2021-22 मधील वर्ग <u>DBA मामा</u>च्या <u>दिलाम 004</u> परीक्षा दिनांक <u>शिव्या 292 2</u> पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

ator. Arts & Commerce College, Jarud

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

#### Arts And Commerce College Jarud,Dist. Amravati Fourth Unit Test Time Table 2021-22

Sr. No.	Day	Date	Class	Time	Subject
			B.A. Sem 2		Comp.
1	Friday	18/02/2022	B.A. Sem 4	11:00 AM To 12:00 PM	Marathi
			B.A. Sem 6		Iviaraun
			B.A. Sem 2		Comp.
2	Monday	21/02/2022	B.A. Sem 4	11:00 AM To 12:00 PM	English
			B.A. Sem 6		English
			B.A. Sem 2		Marathi
3	Tuesday	22/02/2022	B.A. Sem 4	11:00 AM To 12:00 PM	Literature
			B.A. Sem 6		
	Wednesday	day 23/02/2022	B.A. Sem 2	11:00 AM To 12:00 PM	Political Science
4			B.A. Sem 4		
	. The strength		B.A. Sem 6		
		hursday 24/02/2022	B.A. Sem 2	11:00 AM To 12:00 PM	Economics
5	Thursday		B.A. Sem 4		
	inderna di	A CONTRACTOR	B.A. Sem 6		
			B.A. Sem 2	11:00 AM To 12:00 PM	
6	Friday	25/02/2022	B.A. Sem 4		Sociology
			B.A. Sem 6		
Alter			B.A. Sem 2		
7	Saturday	26/02/2022	B.A. Sem 4	11:00 AM To 12:00 PM	History
			B.A. Sem 6		
			B.A. Sem 2		Home
8	Monday	28/02/2022	B.A. Sem 4	11:00 AM To 12:00 PM	Economics
			B.A. Sem 6		Leononines

Contrinator, IQAC Arts & Commerce College, Jarud

Principal

Arts & Commerce College Jarud, Ta. Werud, Dist. Amravati

Sr. No.	Day	Date	Class	Time	Subject
1	Friday	18/02/2022	B.Sc. Sem 2	11:00 AM To 12:00 PM	Marathi
2	Monday	21/02/2022	B.Sc. Sem 2	11:00 AM To 12:00 PM	English
3	Tuesday	22/02/2022	B.Sc. Sem 2	11:00 AM To 12:00 PM	Physics
4	Wednesday	23/02/2022	B.Sc. Sem 2	11:00 AM To 12:00 PM	Chemistry
5	Thursday	24/02/2022	B.Sc. Sem 2	11:00 AM To 12:00 PM	Mathematics
6	Friday	25/02/2022	B.Sc. Sem 2	11:00 AM To 12:00 PM	Botany
7	Saturday	26/02/2022	B.Sc. Sem 2	11:00 AM To 12:00 PM	Zoology
8	Monday	28/02/2022	B.Sc. Sem 2	11:00 AM To 12:00 PM	Computer Science
9	Tuesday	1/2/2022	B.Sc. Sem 2	11:00 AM To 12:00 PM	Electronics

#### Arts And Commerce College Jarud, Dist. Amravati Fourth Unit Test Time Table 2021-22

Co-ordinator, IQAC Arts & Commerce College, Jarud

Principal

Arts & Commerce College Janud, Ta. Warud, Dist. Amravati

1

महाविल्यातील सर्व विद्यार्थ्यांना सूचित करण्यात येते कि शैक्षणिक सत्र 2021-22 मधील वर्ग <u>अस्त-171</u> च्या <u>Common Test</u>परीक्षा दिनांक <u>डिल्या 2021</u> पासून सुरु होत आहे. तसे वेळापत्रक सूचना फलकावर लावण्यात आलेले आहे. सर्वांनी याची नोंद घ्यावी. तसेच परिक्षेला सर्वांनी उपस्तीत राहावे.

Arts & Commerce College, Jarud

Le प्राचार्य

Principal Arts & Commerce College Jarud, Ta. Werud, Dist. Amravati

#### Arts And Commerce College Jarud,Dist. Amravati Common Test Time Table 2021-22

Sr. No.	Day	Date	Class	Time	Subject	
1	Wednesday	13/04/2022	B.A. Sem 2 B.A. Sem 4	10:00 AM To 01:00 PM	Comp. Marathi	
			B.A. Sem 6			
			B.A. Sem 2		Comp.	
2	Saturday	16/04/2022	B.A. Sem 4	10:00 AM To 01:00 PM	English	
		Librar Lise	B.A. Sem 6		English	
			B.A. Sem 2		Marathi	
3	Monday	18/04/2022	B.A. Sem 4	10:00 AM To 01:00 PM	Literature	
		1. 4. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	B.A. Sem 6		Entertaile	
12.18			B.A. Sem 2	Political		
4	Tuesday	uesday 19/04/2022	B.A. Sem 4	10:00 AM To 01:00 PM	Science	
			B.A. Sem 6		Science	
			B.A. Sem 2			
5	Wednesday	20/04/2022	B.A. Sem 4	10:00 AM To 01:00 PM	Economics	
-	Section March		B.A. Sem 6	and the second		
			B.A. Sem 2			
6	Thursday	21/04/2022	B.A. Sem 4	10:00 AM To 01:00 PM	Sociology	
			B.A. Sem 6			
			B.A. Sem 2			
7	Friday	22/04/2022	B.A. Sem 4	10:00 AM To 01:00 PM	History	
			B.A. Sem 6			
			B.A. Sem 2		Home	
8	Saturday	23/04/2022	B.A. Sem 4	10:00 AM To 01:00 PM	Economics	
			B.A. Sem 6		Leonomies	

Co hator, IQAC Arts & Commerce College, Jarud

Principal Arts & Commerce College

Jarud, Ta. Werud, Dist. A.mavati

	Time Table 2021-22					
Sr. No.	Day	Date	Class	Time	Subject	
1	Wednesday	13/04/2022	B.Sc. Sem 2	10:00 AM To 01:00 PM	Marathi	
2	Saturday	16/04/2022	B.Sc. Sem 2	10:00 AM To 01:00 PM	English	
3	Monday	18/04/2022	B.Sc. Sem 2	10:00 AM To 01:00 PM	Physics	
4	Tuesday	19/04/2022	B.Sc. Sem 2	10:00 AM To 01:00 PM	Chemistry	
5	Wednesday	20/04/2022	B.Sc. Sem 2	10:00 AM To 01:00 PM	Mathematics	
6	Thursday	21/04/2022	B.Sc. Sem 2	10:00 AM To 01:00 PM	Botany	
7	Friday	22/04/2022	B.Sc. Sem 2	10:00 AM To 01:00 PM	Zoology	
8	Saturday	23/04/2022	B.Sc. Sem 2	10:00 AM To 01:00 PM	Computer Science	
9	Monday	25/04/2022	B.Sc. Sem 2	10:00 AM To 01:00 PM	Electronics	

#### Arts And Commerce College Jarud, Dist. Amravati Common Test Time Table 2021-22

Co IOAC Arts & Commerce College, Jarud

Principal

Arts & Commerce College Jarud, Ta. Warud, Dist. Amrevati

# HOME ECONOMICS PRACTICAL EXAMINATION LIST and PRACTICAL BOOK

#### संत गाडगे बाबा अमरावती विद्यापीठ, अमरावती.

फोन : ०७२१-२६६०९५४

प्राचार्य,

क्रमांकः- संगाबाअवि/५११-५१२/२०१८ दिनांकः- ०१/१९/२०१८

प्रति,

137

सर्व संलग्नित महाविद्यालये (B.A..Sem.-III). संत गाडगे बाबा अमरावती विद्यापीठ,

#### विषय :- हिवाळी-२०१८ B.A..Sem.-III च्या प्रात्यक्षिक परीक्षेच्या आयोजनाबाबत...

महोदय/महोदया,

उपरोक्त विषयाला अनुसरुन कळविण्यात येते की, मानव विज्ञान विद्याशाखेतील हिवाळी-२०१८ B.A..Sem.-III च्या प्रात्यक्षिक परीक्षेकरीता खालील प्रमाणे सूचना लक्षात घेवून प्रात्यक्षिक परीक्षेचे आयोजन करण्यात यावे.

- 9. हिवाळी-२०१८ B.A..Sem.-III च्या प्रात्यक्षिक परीक्षा ह्या दिनांक <u>०३-१२--२०१८ ते दिनांक १७-१२-२०१८</u> या कालावधीमध्ये आयोजीत करण्यात याव्यात.
- २. प्रात्यक्षिक परीक्षेकरीता बाह्य/अंतर्गत परीक्षकांची यादी यासोबत पाठविण्यात येत आहे.
- 3. महाविद्यालयाने मान्यता प्राप्त शिक्षकांची अंतर्गत परीक्षक म्हणून नियुक्ती करण्यात यावी.
- ४. विद्यापीठाने कळविलेल्या बाह्य परीक्षकांस महाविद्यालयाच्या स्तरावर संपर्क साधुन वरील कालावधीतच प्रात्यक्षिक परीक्षेचे वेळापत्रक निश्चित करुन, महाविद्यालयाच्या स्तरावर बाह्य परीक्षकास नियुक्ती पत्र देण्यात यावे, व त्याची एक प्रत सहाय्यक कुलसचिव (गोपनीय) यांना न चुकता पाठविण्यात यावी. बाह्य परीक्षकास द्यावयाच्या नियुक्ती पत्राचा नमुना यासोबत पाठविण्यात येत आहे. ( परिशिष्ट- ''अ '')
- ेंप, पदवी प्रात्यक्षिक परीक्षेकरीता पाठविण्यात आलेल्या परीक्षक यादीतील बाह्य/ अंतर्गत परीक्षक परीक्षेकरीता उपलब्ध न झाल्यास विषयाशी संबंधित मान्यता प्राप्त पात्र परीक्षकांना बोलावून प्रात्यक्षिक परीक्षा घेण्याची व्यवस्था करावी व त्याची माहिती सोबत जोडलेल्या परिशिष्ट- ''ब '' मध्ये सहाय्यक कुलसचिव (गोपनीय) यांचे नांवे परीक्षा आटोपताच दोन दिवसाचे आंत कृपया पाठवावी.

धन्यवाद.!

विशेष सूचना :- 9) निदेश क्रमांक २४/२०१८ दिनांक २७-३-२०१८ नुसार ३ वर्षिय अभ्यासक्रमातील पहिले व दुसरे सत्राच्या लेखी परीक्षा महाविद्यालयीन स्तरावर आयोजित करण्यात येत आहेत, त्यामुळे सत्र-१ (Sem I) परीक्षेतील नियमित व माजी विद्यार्थ्यांच्या तसेच सत्र-२ (Sem II)परीक्षेतील माजी विद्यार्थ्यांच्या प्रात्यक्षिक परीक्षा सुद्धा दिनांक ०३-१२--२०१८ ते दिनांक १७-१२-२०१८ या कालावधीतच महाविद्यालयाचे स्तरावर विद्यापीठाचे मान्यताप्राप्त शिक्षकांच्या बाह्य व अंतर्गत परीक्षकांची नियुक्ती करून घेण्यात याव्यात ही विनंती.

- २) <u>B. A. Sem. I, II व III</u> या सन्त्राच्या नियमित व माजी विद्यार्थ्याच्या प्रात्यक्षिक /अंतर्गत परीक्षेचे गुण परीक्षा आटोपताच Learning Spiral Agency ने उपलब्ध करून दिलेल्या Portal वर Online पद्धतीने भक्तन महाविद्यालयांनी विद्यापीठास पाठवावयाचे आहे, व त्यानंतर निकाल जाहीर होताच, सदर परीक्षांचे प्रात्यक्षिक /अंतर्गत परीक्षेचे परीक्षा/विषयनिहाय मुळ गुण (Hard Copy) सह उपकुलसचिव (सारणी) यांचे नांवे सारणी विभागामध्ये त्वरीत जमा करण्यात यावे.
- ३) बाह्य परीक्षक हे प्रात्यक्षिक परीक्षा घेण्याकरिता खतःच्या वाहनाने आल्यास, प्रमाणपत्रामध्ये वाहनाचा प्रकार, वाहन क्रमांक रपष्टपणे नमूद करण्यात यावा.

आपला विश्वासू,

सहपत्र:-

- परीक्षकांची यादी. B.A..Sem.-III- Hec 9)
- परिशिष्ट- "अ,ब" चे नमूनापत्र. 2)
- नम्ना प्रपत्र 3)

#### प्रतिलिपी माहितीस्तव सादर 🔗

१. मा.प्र.कुलगुरू, संत गाडगे बाबा अमरावती विद्यानिक अमरावले

- २. मा.परीक्षा मंडळ सदस्य, संत गाडगे बाबा अमरावती विटिमिंडा सामग्राही
- ३. संचालक, परीक्षा व मुल्यमापन मंडळ संत गाडगे बाबा अमरावसी अमरावती ४ सहा कलसचिव (प्रशिक्ष क्रीक्ष) **र & Commerce College, Jarud**

४. सहा.कृलसचिव (परीक्षा/चौकशी)

0 सहाय्यक कुलसचिव (गोप) संत गाडगे बाबा अमरावती विद्यापीठ.

Principal

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

FOIL/COUNTER FOIL

Examination:----- B: A· III Summer/Winter 2018

Subject :-Home-Economics Centre/College:- Arts & Commerce College Jarud

Roll No	Name of Candidates	Answersheet No.	Signature of Students
80179	Ku. S.P.Wadaskar	025600)	S.P. Waclaskag
80172	Ku.S.S Mehalbanshi	0256002	Dalbanshi.
80097	Ku.P.L.Khutpale	0256003	Plkhipelple
	Ku.S.R.Dabre	AA	Absent
80/01	Ku.S.S.Darokar	0250009	\$.\$.DEOKde
30/02	Ku.V.N.Gulhane	0256015	acree thane.
80079	Ku.B.G.Jathalkar	0256005	Btyperlez.
80078	Ku.B.B.Nichat	0256006	Brichat
80086	Ku.K.K.Pokale	0256007	BPokoue.
20094	Ku.P.N.Rahate	0256008	alus.
80049	Ku.B.D.Dhepe	0256009	Bohere
	Ku.P.D.Ingole	AA	Absent
80156	Ku.R.J.Khojane	0256010	R.Khajone
80091	Ku.P.B.Kose	0236014	BKOSS ,
80063	Ku.D.R.Wankhade	0256011	Durankhade
	Ku.J.P.Yuvnate	AA	Absent
80098	Ku.R.R.Lad	0256012	Fraled
80076	Ku.K.S.Malode	0 256013	@neelade

Signature of Internal Examiner

Date :- 05103118

:-

Signature of External Examiner.

Date 05103118

DR. A. B. KUKADE Co-ordinator, IQAC Arts & Commerce College, Jarud

Principal

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

FOIL/COUNTER FOIL

Roll No .	Name of Candidates		
		Answersheet No.	Signature of
		1	Students
25462	Ku.Amruta A.Kukade	0256037	@kukadis_
25435	Ku.Arpita V.Ganorkar	0256038 AA	Altroknede Absc
25436	Ku.Aruna A.Tinkhede	0256038	MAThkheck
	Ku.Bhagyshri J.Galbale	AA	Abscont
	Ku.Bharti J.Galbale		Absent
	Ku.Bharti S.Sonekar		Absent
÷	Ku.Chhaya S.Bramhane	-AA -	Absend
	Ku.Devika S.Bramhane		Absent-
25466	Ku.Dipali G.Ballar	0256039	Berthate.
	Ku.Dipali D.Raut		Absent
25.45.2	Ku.Gayatri J.Tarar	0256040	GI.J. Jarah
	Ku.Jyoti S.Wadekar	0256041	Funtosent -
25467	Ku.Jyoti G.Dhurve	0256041	Jok.
25456	Ku.Kajal R.Bhondekar	02560 42	K.R. Bhondekan
25468	Ku.Kanchan S.Nathile	02560 43	K. S. Nathile
25469	Ku.Kavita A.Uike	0256044	K.A. Wiek
25:459	Ku.Kiran U.Ghorpade	0256060	Whospade.

Signature of Internal Examiner Date :- 25104/2018

Batra Parkly

Signature of External Examiner.

Date: 25/4/2018

DR. DE Co-ordinator, TOAC Arts & Commerce College, Jarud

Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

FOIL/COUNTER FOIL

Examination:-B.A.I. (Ind Sem.) Summer/Winter 2018

Subject :- Home Economics Centre/College:- Arts & Commerce College Jarud

Roll No	Name of Candidates		
		Answersheet	Signature of
		No.	Students
	Ku.Komal W.Shende	AA	Absent
25471	Ku.Mayure S.Ghatwade	0256045	Mayuzi S. Ghatwade
25499	Ku.Meena G.Suryawanshi	0256046	Augrawansla
25500	Ku.Monika M.Basunde	0256047	m.Basynde
25504	Ku.Nisha S. Suryawanshi	0256048	Aswerkon pshi
25475	Ku.Pallavi D.Wadbudhe	-AA-	-Absent
25507	Ku.Pooja M-Khodskar	-AA-	-Absent
25508	Ku.Pooja D.Bute	0256049	Pobute
25.476	Ku.Punam A.Neware	0256050	P.A. Neware
25478	Ku.Prachi M.Ande	0256051	p.m. Ande
25-479	Ku.Pranali L.Wankhade	02560.57	P.L. wankholde
	Ku.Priti T.Uike	-AA -	Absent-
	Ku.Punam M.Uike	-AA -	Absent-
25482	Ku.Rashmi R.Dambale	- AA	Absent
82 25485	Ku.Samiksha K.Baraskar	0256053	HBOKaskas
85 25 486	Ku.Sharaddha G.Malode	0256054	s.g. malade.
625489	Ku.Shweta A.Belsare	0256055	shweta A Beischer
25-489	Ku.Swati U.Dhok	BRSEOSE	Shek
25542	Ku.Usha D.Dudhkawre	0256057	Windhakankine
25491	Ku.Vijayata S.Thakare	0256058	KHAKES
25:549	Ku.Vishakha G.Takarkhede	0256059	V. G. Take khede

Boche Signature of Internal Examiner

DR.

Date :- 25-104/2018

-50

544

Signature of External Examiner.

Date :- 25/4/2018

Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

(ADE tor, IQAC & Commerce College, Jarud

College Copy FOIL/COUNTER FOIL

Examination:-----B. A-TT

----- Summer/Winter 2018

Subject :- Home-Economics Centre/College:- Arts & Commerce College Jarud

Roll No	Name of Candidates	Answersheet No.	Signature of Students
51569	Ku. Y.M.Borwar	0256016	MBascude
-	Ku.S.S Gundhbhale	-AA	- Absent
51567	Ku.T.S.Nerkar	0256017	DNCEKOR
51562	Ku.S.G.Dawande	0236018	S.C. Duwunda.
51530	Ku.D.G.Gawande	0256019	DG. Gawande.
51558	Ku.R.S.Khopade	0256020	Pkhopade
51548	Ku.P.A.Khutpale	0256021	PKhulpale
51568	Ku.V.R.Nagpure	0256022	Plaguese
51526	Ku.A.D.Kurwale	0256023	Dellearde
51528	Ku.D.K.Yelwatkar	0256024	D.K. Jelwtkar
5+5-38	Ku.M.S.Nandane	AA	Absent-
51560	Ku.R.S.Geed	0256025	REGER
51520	Ku.K.G.Pande	0256035	BerelL
	Ku.N.N.Sadapure	AA	Absent-
51478	Ku.A.S.Sardar	0256036	Ander
51543	Ku.N.K.Baraskar	0256026	aboytey

Signature of Internal Examiner

Signature of External Examiner.

Date :- 1013118

Date :- 10-3-2018

DR. A. B. KUKADE Co-ordinator, IQAC Arts & Commerce College/Jarud

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

College Copy EOIL/COUNTER FOIL

Examination:-----B. A.TF

------ Summer/Wipter 2018

Subject :- Home-Economics Centre/College:- Arts & Commerce College Jarud

Roll No	Name of Candidates	Answersheet No.	Signature of Students
51534	Ku.K.V.Gayki	D256027	Rocuffei
51477	Ku.A.B.Taywade	0256028	A.B. Taxupade
51514	Ku.K.S.Sonone	0256029	ku. Kajalsel. Sonone
	Ku.M.N.Kale	- AA	Absent
51550	Ku.P.A.Malode	0256030	R. malade
51487	Ku.D.M.Sharma	0256031	Angharma
51500	Ku.D.G.Ingale	0256032	Indale
51561	Ku.S.P.Deshmukh	0256033	Desestmuth
and the second se	Ku.V.K.Bhange	-AA	Absent
p.34-	Ku.P.J.Ughade		Absent
51531	D.V.Mohale	0256036	Anorale
			0

Signature of Internal Examiner

Signature of External Examiner.

Date :- 10/3/18

Date :- 10 -3 - 2018

DR. A. B. DKADE Co-ordinator, IQAC Arts & Commerce College, Jarud

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

Batch No . 1

#### FOIL/COUNTER FOIL

Examination:----B.A.J (Ind Sem) Summer/Winter 2018

Subject : Home Economics Centre/College:- Arts & Commerce College Jarud

Roll No .	Name of Candidates		
		Answersheet No.	Signature of Students
25462	Ku.Amruta A.Kukade	0256037	Alkunods
25435	Ku.Arpita V.Ganorkar	0256038 AN.	AATTALhade Absent
25436	Ku.Aruna A.Tinkhede	0256038	AATinkhede
	Ku.Bhagyshri J.Galbale		Absent-
	Ku.Bharti J.Galbale	A A	Absent-
-	Ku.Bharti S.Sonekar		Abseat-
1	Ku.Chhaya S.Bramhane	AA	Absent
7.9944	Ku.Devika S.Bramhane	-AA	Absent
2546.6	Ku.Dipali G.Ballar	0256039	PBalhare.
1 	Ku.Dipali D.Raut		Absent -
25452	Ku.Gayatri J.Tarar	0256040	G.J. Takap
	Ku.Jyoti S.Wadekar	AA	Absent-
25467	Ku.Jyoti G.Dhurve	0256041	Blue
25456	Ku.Kajal R.Bhondekar	0256042	K.R. Bhondeka
25468	Ku.Kanchan S.Nathile	0256043	K. S. Nathile
25469	Ku.Kavita A.Uike	0256044	K.A. Viek
25:459	Ku.Kiran U.Ghorpade	0256060	Rhospede.
	*		
		A Charles and	

Signature of Internal Examiner

Date :- 25 104 12018

Setralarki

Signature of External Examiner.

Date :- 25/4/2018

Principal

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

DR. A. B. KUKADE Co-ordinator, IQAC Arts & Commerce College, Jarud

Batch No. 2\_

# Sant Gadge Baba Amravati University Amravati

#### FOIL/COUNTER FOIL

Examination:---B.A.J (Ind Sem Summer/Winter 2018

Subject : Home Economics Centre/College:- Arts & Commerce College Jarud

Roll No	Name of Candidates		
		Answersheet	Signature of
		No.	Students
·	Ku.Komal W.Shende	/7A	Abseat
25471	Ku.Mayure S.Ghatwade	3256045	Mayuri S. Ghadua
25499	Ku.Meena G.Suryawanshi	0256046	TOUE Jawarsh
25500	Ku.Monika M.Basunde	0256047	
2550.4	Ku.Nisha S. Suryawanshi	0256048	Assuerfwarshi
25475	Ku.Pallavi D.Wadbudhe		Absent
25507	Ku.Pooja M-Khodskar		Absent
255.08	Ku.Pooja D.Bute	0256049	
25.476		0.256050	P.A. Neware
25478	Ku.Prachi M.Ande	0256051	Pom. Ande
25479	Ku.Pranali L.Wankhade	0256052	P.L. Wankhode
	Ku.Priti T.Uike		Absent
2551.5	Ku.Punam M.Uike	AA-	Absent-
. 202	Ku.Rashmi R.Dambale	AA	Absent-
25482	Ku.Samiksha K.Baraskar	0256053	\$KBataskar
25485	Ku.Sharaddha G.Malode	0256054	s.G.malade
25486	Ku.Shweta A.Belsare	02.560 55	Shweta A Bessel
25489	Ku.Swati U.Dhok	0256056	Shok
25542	Ku.Usha D.Dudhkawre	0256057	- undtakavare
25491	Ku.Vijayata S.Thakare	0256058	Andres
25.5-49	Ku.Vishakha G.Takarkhede		V. Cy. Takalkhede

Signature of Internal Examiner

Date :- 25/04/2018

Satra Par W Signature of External Examiner.

Date :- 25/4/2018

DR. tor. TOA Arts & Commerce College, Jarud

Principat Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

# FOIL/COUNTER FOIL

Examination: B.A. partone (sem: 1) \_\_\_\_\_ Sumpler/Winter 2018

Subject :- Home-Economics Centre/College:- Arts & Commerce College Jarud

Roll No	Name of Candidates	Answersheet No.	Signature of Students
11042	Ku. P.S.Sihale	2886002	Peiyanka
11047	Ku.S.D.Shendre	2886003	S. D. Shendee
11049	Ku.V.A.Bramhane	288004	Bromhong
11051	Ku.A.S.Khandare	- Absent	
11061	Ku.P.G.Bagade	2886005	Pooder of Baradi
11075	Ku.K.B.Dhurve	2886006	K. Dhyoke
11084	Ku.K.R.Sirsam	2886007	tiesom
11088	KuM.S.Uike	Absec	1 1
11090	Ku.S.L.Uike	2886008	Grand . Wike
11121	Ku.P.R.Belkhede	2886009	P. R. Beikhecte
11143	Ku.V.G.Dharme	2886010	Obcurrens-
11144	Ku.P.P.Bhunte	28860 11	BBRUKKC
11145	Ku.P.S.Darokar	2986012	Lorokale_
11148	Ku K.M.Jawale	2886013	Bruele.
11151	Ku.D.S.Ganorkar	2886014	DS. aynorkue
11152	Ku.M.B.Pande	2886015	m. B. Farte.
11154	Ku.A.S.Konde	2886016	Derarde.
11170	Ku.S.R.Cher	2886017	S.R. chez

Signature of Internal Examiner

A

DR. A. B. KUKADE

Co-ordinator,

IQAC Commerce College, Jarud

Date :- 08/12/2018

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Satralanni Signature of External Examiner.

Date 08/12/2018

Principat

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

#### FOIL/COUNTER FOIL

Examination: B. A. pastone - (Sem-1) Summer/Winter 2018

Subject :- Home-Economics Centre/College:- Arts & Commerce College Jarud

Roll No	Name of Candidates	Answersheet No.	Signature of Students
11042	Ku. P.S.Sihale	2886002	Peiyanka
11047	Ku.S.D.Shendre	2886003	S. D. shendle
11049	Ku.V.A.Bramhane	2886004	OBzemhang
11051	Ku.A.S.Khandare	Abse	nt
11061	Ku.P.G.Bagade	2886005	Poola 4. Baladi
11075	Ku.K.B.Dhurve	2886006	KDhyrve
11084	Ku.K.R.Sirsam	2886007	tieson
11088	KuM.S.Uike	Abses	rst
11090	Ku.S.L.Uike	2886008	Greiky J. Like
11121	Ku.P.R.Belkhede	2886009	P.R.Beikhede
11143	Ku.V.G.Dharme	2886010	Phelophe_
11144	Ku.P.P.Bhunte	2886011	PERIKE
11145	Ku.P.S.Darokar	2896012	Jago hag
11148	Ku K.M.Jawale	2886013	OJamle
11151	Ku.D.S.Ganorkar	2986014	D.S. agnockye
11152	Ku.M.B.Pande	2886015	m.B. Ferde.
11154	Ku.A.S.Konde	2886016	Ostephe.
11170	Ku.S.R.Cher	2886017	s.R.chet

Signature of Internal Examiner

DR. A. B. KUKADE

Co-ordinator, IQAC Arts & Commerce College, Jarud

Date :- 08/12/2018

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anthe Park

Signature of External Examiner.

Date 0'8/12/2018

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

#### FOIL/COUNTER FOIL

# Subject :- Home-Economics Centre/College:- Arts & Commerce College Jarud

Roll No	Name of Candidates	Answersheet No.	Signature of Students
54775	Ku.Vishakha G.Takarkhede	2886018	V. Cy. Takingskhede
54719	Ku.Mayure S.Ghatwade	2886019	M.S. chatwode.
54742	Ku. Meena G. Suryawanshi	2886036	Thueyowanshi
54743	Ku.Monika M.Basunde	2896020	m.m. Basunde
54747	Ku.Nisha S. Suryawanshi	2886038	Were fugshi
54723	Ku.Pallavi D.Wadbudhe	2886021	P. D. waldbude
54736	Ku.Vijayata S.Thakare	2886022	Allekores
54750	Ku.Pooja D.Bute	2886023	P. D. Bittle
54724	Ku.Punam A.Neware	2886024	P.A. Neware
54726	Ku.Prachi M.Ande	2886034	P.m.Ande
54727	Ku.Pranali L.Wankhade	2886025	P.L. WARKhode
54771	Ku.Usha D.Dudhkawre	2986037	TudhakavaRe
54732	Ku.Sharaddha G.Malode	288602G	S-G-malode.
54733	Ku.Shweta A.Belsare	2886027	S. A. Delsoze
54729	Ku.Samiksha K.Baraskar	- ABSI	NT-
54718	Ku.Kavita.A.Uike	2886028	K-A. vieky

ABocle Signature of Internal Examiner

Co-ordinator,

Arts & Commerce College, Jarud

NURSONAND

Principal

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

Signature of External Examiner.

Date :- 13/12/18

Date :- 312118DR. A. B. KOKADE

03

FOIL/COUNTER FOIL

Examination: B.A.II (Sem-III) Summer/Winter 2018

# Subject :- Home-Economics Centre/College:- Arts & Commerce College Jarud

Roll No	Name of Candidates	Answersheet No.	Signature of Students
54713	Ku.Amruta A.Kukade	2886035	PlKulkades
54710	Ku.Kiran U.Ghorpade	- ABSEN	
54690	Ku.Aruna A.Tinkhede	2896030	A.A.Tinkhale
54704	Ku.Gayatri J.Tatar	2886029	G.J. Tabab
54717	Ku.Kanchan S.Nathile	26860831	
54716	Ku.Jyoti G.Dhurve	2886032	Bellet
54708	Ku.Kajal R.Bhondekar	2886033	K.R. bhondekar
	and the second second		

Signature of Internal Examiner

Date :- 13/12/18

0

DR. A. B. KUKADE Co-ordinator, IQAC Commerce College, Jarud

Signature of External Examiner.

Date :- 13/12/18/

Principal

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

#### संत गाडगे बाबा अमरावती विद्यापीठ, अमरावती.

फोन : ०७२१-२६६०९५४

प्राचार्य,

प्रति,

137

सर्व संलग्नित महाविद्यालये (B.A.), संत गाडगे बाबा अमरावती विद्यापीठ.

#### विषय :- उन्हाळी-२०१९ B.A. Sem.-II & IV a B.A.Part-III च्या प्रात्यक्षिक परीक्षेच्या आयोजनाबाबत...

महोदय/महोदया,

उपरोक्त विषयाला अनुसरुन कळविण्यात येते की, मानव विज्ञान विद्याशाखेतील <u>उन्हाळी-२०१९ B.A. Sem.-II &</u> IV व B.A.Part-III च्या प्रात्यक्षिक परीक्षेकरीता खालील प्रमाणे सूचना लक्षात घेवून प्रात्यक्षिक परीक्षेचे आयोजन करण्यात यावे.

- <u>उन्हाळी-२०१९</u> <u>B.A..Sem.-II & IV व B.A..Part-III</u> च्या प्रात्यक्षिक परीक्षा ह्या दिनांक <u>१९-०३--२०१९</u> ते दिनांक ३०-०३-२०१९ या कालावधीमध्ये आयोजीत करण्यात याव्यात.
- २. प्रात्यक्षिक परीक्षेकरीता बाह्य/अंतर्गत परीक्षकांची यादी यासोबत पाठविण्यात येत आहे.
- 3. महाविद्यालयाने मान्यता प्राप्त शिक्षकांची अंतर्गत परीक्षक म्हणून नियुक्ती करण्यात यावी.
- ४. विद्यापीठाने कळविलेल्या बाह्य परीक्षकांस महाविद्यालयाच्या स्तरावर संपर्क साधुन वरील कालावधीतच प्रात्यक्षिक परीक्षेचे वेळापत्रक निश्चित करुन, महाविद्यालयाच्या स्तरावर बाह्य परीक्षकास नियुक्ती पत्र देण्यात यावे, व त्याची एक प्रत सहाय्यक कुलसचिव (गोपनीय) यांना न चुकता पाठविण्यात यावी, बाह्य परीक्षकास द्यावयाच्या नियुक्ती पत्राचा नमुना यासोबत पाठविण्यात येत आहे. (परिशिष्ट- ''अ '')
- ५. पदवी प्रात्यक्षिक परीक्षेकरीता पाठविण्यात आलेल्या परीक्षक यादीतील बाह्य/ अंतर्गत परीक्षक परीक्षेकरीता उपलब्ध न झाल्यास विषयाशी संबंधित नजिकच्या महाविद्यालयातील मान्यता प्राप्त पात्र परीक्षकांना बोलावून प्रात्यक्षिक परीक्षा घेण्याची व्यवस्था करावी व त्याची माहिती सोबत जोडलेल्या परिशिष्ट- ''ब '' मध्ये सहाय्यक कुलसचिव (गोपनीय) यांचे नांवे परीक्षा आटोपताच दोन दिवसाचे आंत कृपया पाठवावी.

धन्यवाद.!

- विशेष सुचना :- 9) दिनांक ३०-१२-२०१८ च्या अधिसभे मध्ये महाविद्यालयीन स्तरावरील सर्वच परीक्षा विद्यापीठ स्तरावर आयोजित करण्याबाबत निर्णय घेण्यात आलेला आहे. त्यामुळे आपल्या महाविद्यालयातील B.A. Sem. - I, II व III तसेच B.A. Part. - I, II व III परीक्षेतील माजी विद्यार्थ्याच्या प्रात्यक्षिक परीक्षा सुद्धा दिनांक <u>१९-०३--२०१९ ते दिनांक ३०-०३-२०१९</u> या कालावधीत उपरोक्त परीक्षेकरिता नियुक्त परीक्षकांकडून सोबतच घेण्यात याव्यात व त्याबाबतच्या सूचना महाविद्यालयीन स्तरावर विद्यार्थ्यान याव्या ही विनंती.
  - २) B. A. Sem. I, II III व IV या सत्राच्या नियमित व माजी विद्यार्थ्यांच्या प्रात्यक्षिक / अंतर्गत परीक्षेचे गुण परीक्षा आटोपताच Learning Spiral Agency ने उपलब्ध करून विलेल्या Portal वर Online पद्धतीने भरून महाविद्यालयांनी विद्यापीठास पाठवावयाचे आहे व त्यानंतर सदर परीक्षांचे प्रात्यक्षिक / अंतर्गत परीक्षेचे परीक्षा / विषयनिहाय मुळ गुण निकाल जाहीर होताच उपकुलसचिव (सारणी) यांचे नांवे सारणी विभागामध्ये त्वरीत जमा करण्यात यांवे.
  - -३) तसेच B. A. Part. I, II व III (Annual Pattern) परीक्षेतील विद्यार्थ्याचे गुण Control Sheets प्राप्त होताच प्रात्यक्षिक परीक्षेच्या गुणांचे प्रपत्रातील परीक्षा /विषय निहाय गुण Control Sheets मध्ये भरुन सदर Control Sheets व मुळ व गुणांची प्रपत्रे सहाय्यक कुलसचिव (गोपनीय) यांचे विभागामध्ये त्वरीत गुण जमा करण्यात यावे
  - ४) बाह्य परीक्षक हे प्रात्यक्षिक परीक्षा घेण्याकरिता खतःच्या वाहनाने आल्यास प्रमाणपत्रामध्ये वाहनाचा प्रकार, वाहन क्रमांक स्पष्टपणे नमुद करण्यात यावा.

सहपत्रः-

- परीक्षकांची यादी. (उपरोक्त प्रमाणे)
- २) परिशिष्ट- ''अ,ब'' चे नगूनापत्र.
- ३) नमुना प्रपन्न

#### प्रतिलिपी माहितीस्तव सादर DR. A. B. KUKADE

मा.प्र.कुलगुरू, संत गाडगे बाबा अगरावत कियापीण अप्रतवती

२. मा.परीक्षा मंडळ सदस्य, रांत गातने इ.स. आमहार दिलावुह, उन्नायावती

२ संचालक परीक्षा व मल्यमापन मंडल संत गाडगे बाब अमरावती विद्यापीत अमरावती

सहाय्यक कुलसचिव (गोप) संत गाडगे बाबा अमरावती विद्यापीठ.

आपला विश्वासू,

Incipal

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

क्रमांकः- संगाबाअवि/५११-५१२/२०१९

Art Colleg 5 Jar 1/03/2098

mward No. 8 ... Data 9.13

Name of the fille ...

1. สารสา พัธนุ อาสุจริสาริสา

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# संत गाडगे बाबा अमरावती विद्यापीठ

	5	उन्हाळी / हिवाळे	गे २०१९ प्राल	यक्षिक पर	रीक्षेचा तपशिल	परिशिष्ट	-' <b>ब</b> '
	म	हाविद्यालयाचे नाव	: कारत व	antons	Tandamen	UT65	
-	'अ	ार्यता न झाल्याने प्र	ाचार्यांनी पर्यायी परीक्ष	ली तारीख, तिक म्हणून नि	पि दोरिए विद्यापीठाने नियुक्त केले युक्त केलेले परीक्षक इत	प्रिंठ <u>माण्य</u> सोमी. जी. प. <u>प</u> जी. ए. <u>ग</u> ली. ए. <u>गि</u> स्ति परीक्षक, <u>नियुक्त केलेले परी</u> श यादीची माहिती दर्शविणारे परिशि	गभी - ) श्वक ष्ट-
	अ. क.	परीक्ष	काचे नाव	परीक्षा घेतल्याची		लेल्या पर्याची परीक्षकांची माहिती	शेरा
E		अंतर्गत	बाह्य	तारिख	and the second s	कांचे नाव व पत्ता	1
1	۹.		3.	8.	अंतर्गत परीक्षक	बाह्य परीक्षक	
1		.1 .1			Ч.	ξ.	19.
G	3	3ॉ.सी. एन.ए. बोरबो	उँ . जित्तिम भारार युवाराक्मी महाविधाल्य आभरावनी	14103) 2019	उा.स. एन. ए.	ठा. लीना जावेडे ख-पी-पी- भल्लि जरा. वरुड.	
2		डॉ. में छन. ए. बोडवे	भा पानी भोडरकर यम ही देवामुख कार्वज डालरवर्त्त	20/03/ 2019	जेल्ल हार्च	डॉ (जीना जावंडे स्व . पी. पी. भाषिन भरा. वडाउ .	
34			डां. शोभा रत्नपारखी गाला कुछ भराविशाल्य वरुठ	(3)03) 9e			
नांक	2	9/03/209g	प्राचार्यांची स्वाक्षरी प्राचार्यांची स्वाक्षरी Aris & Commer Jarud, Ta. Warud J	য যিক্কা গুৱা	अंतर्गत छन्निक्स Head, Dept	Boeline Thi An Back Magan . of Home Economics merce College, Jarud Marue	

DR. A. B. KUKADE Co-ordinator, IQAC Arts & Commerce College, Jarud

**Principal** Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

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#### SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI.

List of External & Internal Examiners for the Practical Examination, Summer-2019

Name of the Centre :- 137 - Arts & corm, college, Jarue

#### Examination:- B.A. Sem.-II, IV & B.A. Part-III

S.N.	Subject	External Examiners	Internal Examiners
1.	Home- Economics	B.A. SemII Dr. Milima Mahure Yungshaki M.N. Amravati	As per recommended by Principal . (Subject to condition Approved teacher)
2.	Home- Economics	B.A. SemIV Prof. Prach' Bhamburko M. V. Dedhmukh college, Amrawati	" V
3.	Home- Economics	B.A. Part-III Dr Shobla Ratanporkh Mahatma Fuley college bland	<sup>33</sup>

DR. A UKADE Co-ordinator, IQAC Arts & Commerce College, Jarud

Assistant Registrar(Conf.) Sant Gadge Baba Amravati University Amravati

Amravati

# Sant Gadge Baba Amravati University Amravati

College copy FOIL/COUNTER FOIL

Examination:-- B.A.III

Summer/Winter 2019

Subject :- Home-Economics Centre/College:- Arts & Commerce College Jarud

Roll No	Name of Candidates		- Chudante
non no		Answers Sheet No	Signature of Students
81314	Ku. Y.M.Borwar	0213037	NoBosidas.
01313	Ku.T.S.Nerkar	0213038	PACEKOS
\$1308	Ku.S.G.Dawande	0213034	D.G. Dawande
81284	Ku.D.G.Gawande	0213020	DGewonde.
81305	Ku.R.S.Khopade	0213041	OK huttpale
81297	Ku.P.A.Khutpale	0213042	Absent-
\$1280	Ku.A.D.Kurwale	· AA-	101 11.000
81293	Ku.D.K.Yelwatkar	0213043	D. K. Jelwikele R.S. Greed
\$1307	Ku.R.S.Geed	0213044	
8/291	Ku.K.V.Gayki	0213045	Aller Aller
81323	Ku.N.K.Baraskar	0213046	1
81288	Ku.K.S.Sonone	0213047	ku k S. Sonone
81299	Ku.P.A.Malode	0213048	Instale
81286	Ku.D.G.Ingale	AA	Absent
-	Ku.D.V.Mohale	114	1100 0
1			
2 1-1-			

Disoche Signature of Internal Examiner

Date :- 25/03/19

Signature of External Examiner.

Date :- 25/03/19

KADE DR. A. Co-ordinator, IOAC Arts & Commerce College, Jarud

# Sant Gadge Baba Amravati University Amravati

College Copy FOIL/COUNTER FOIL

# Examination:--B.A.II Sem.IV

# Summer/Winter 2019

Subject :Home Economics

Centre/College:- Arts & Commerce College Jarud

Dell No	Name of Candidates	Maximum		Marks	Signature of
Roll No	Name of Canalacco	Obtainted	for	one	Students
		practical o	nly		
		In figure	In Word	s.	
54230	Ku.Amruta A.Kukade	-29-19	Twenty	Nine	Okulacot_
CH250	Ku.Aruna A.Tinkhede	-29119			A.A. Tinkbedr
5.4212	Ku.Jyoti G.Dhurve	27418	Twenty	seven	Papulas
54257		26-17	Twenty	SIX	K.R. bhondekan
GA235	Ku.Kanchan S.Nathile	2015	Twenty	1 only	14.5. Northie
54180	Ku.Kavita A.Uike		- Abs	ent-	
54209	Ku.Kiran U.Ghorpade		- Absi	ent	
54193	Ku.Mayure S.Ghatwade	12416.	Twenty	Fair	M.S co borhade
54177	Ku.Meena G.Suryawanshi	-22-17	Twenty	TWO	Thu Eyawanshi
54244		1545	Fifteen	only	m.Basynder
54172		15-16			Assurguant
54213		-16 15	sixteen	only	P. D. badbude
10203	Ku.Pooja D.Bute	126117	Twenty	xiz	P.J. Byte
54217		124-18	Twenty	Four	P.A. Newdore
\$4196	Ku.Prachi M.Ande	12919	Twenty	aline	P.m. Ande.
TRA			7		
MAG			-		
al est					
			-		

Aboche Signature of Internal Examiner

Date :- 20103119

**B. KWKADE** DR. A. Co-ordinator, IQAC Arts & Commerce College, Jarud

K Contornale

Signature of External Examiner.

Date :- 20 |03119

# Sant Gadge Baba Amravati University Amravati

College Copy FOIL/COUNTER FOIL

Examination:- B.A.I Sem.II

# Summer/Winter 2019

111

Subject :-Home-Economics Centre/College:- Arts & Commerce College Jarud

Roll No	Name of Candidates		
		Answers Sheet No	Signature of Students
6964	Ku. P.S.Sihale	0213001	Priyomka. S. Sihale
6981	Ku.S.R.Cher	0213002	s. R. ches
6884	Ku.V.A.Bramhane	0213003	Bromhons
6903	Ku.P.G.Bagadi	0213004	Pooda
6946	Ku.K.B.Dhurve	0213005	K Dayste
6900	Ku.K.R.Sirsam	0213013	Firsom
6868	Ku.S.L.Uike	0213016	Queiky Like
6920	Ku.P.R.Belkhede	0213006	P.R. Belkhode
6899	Ku.V.G.Dharme	0213007	aharm's
6907	Ku.P.P.Bhukte	0213008	(PBBukte
6982	Ku.P.S.Darokar	0213009	Jorokon
6925	Ku K.M.Jawale	6212010	Kuwale.
6929	Ku.D.S.Ganorkar	0213011	Do S. Ganoffac
6.952	Ku.M.B.Pande	0213012	m.Rende
6898	Ku.A.S.Konde	0213015	£3012.
6944	Ku.S.D.Shendre	0273014	S. D. Shendle
ne en e			

Model Signature of Internal Examiner

Date :- 14103119

DR. A ADE Co-ordinator, IQAC Arts & Commerce College, Jarud

Signature of External Examiner.

Date :- 14/03/19

Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

# Arts and Commerce college Jarud, Tq.Warud,Dist.:-Amravati Practical Examination Summer 2022

### Home – Economics

### B. A. Part - I (Semestar) II

Date :- 14/06/2022 Time :- 10.00 To 1.00

Sr.No	Roll No.	Answer Sheet No.	Students Name	Signature
1		0136044	Ku. Vaishnavi G.Dharme	Atarome
2		0136037	Ku. Pratibha A. Deshmukh	P.A.Deshmukh
3		0136045	Ku.Dhanshri G.Nagle	Jankurg te
4		0136042	Ku .Sanika B. Davande	S.B.Dqwqndd
5		0136047	Ku. Aachal S. Varma	Achau
6		0136046	Ku. Raksha V. Khutpale	and the statement of th
7		0 13 60 43	Ku. Dixita B. Varkhade	Properties.

Aborn SIGNATURE OF INTERNAL

EXAMINER Date :- 14/06/2022

KADE DR. A Co-ordinator, IQAC Arts & Commerce College, Jarud

(30101du SIGNATURE OF EXTERNAL EXAMINER Date:- 14 /06/2022

Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

### SANT GADGEBABA AMRAVATI UNIVERSITY, AMRAVATI, PRACTICAL EXAMINATION SUMMER 2022

B. A. Part – I (Semestar) II

### EXAMINATION B.A.PART-I (Sem-II) SUBJECT – HOME-ECONOMICS

FOIL /COUNTER FOIL DATE:- 14/06/2022 Tuesday MAXIMUM MARKS 30

CENTRE/COLLEGE :- Arts And Commerce College Jarud, Tq. Warud, Dist .:- Amravati

SR.NO.	ROLL NO.	NAME OF THE STUDENTS	MAXIMUM MARKSOBTAINED FOR ONE PRACTICAL ONLY		
			IN FIGURE	IN WORDS	
1		Ku. Vaishnavi G.Dharme	28	Twenty eight	
2		Ku. Pratibha A. Deshmukh	27	Twenty seven	
3		Ku.Dhanshri G.Nagle	2.6	Twenty size	
4		Ku .Sanika B. Davande	26	Twenty six	
5		Ku. Aachal S. Varma	27	Twenty seven	
6		Ku. Raksha V. Khutpale	2.5	Twenty fire	
7		Ku. Dixita B. Varkhade	25	Twenty five.	

ne 125od SIGNATURE OF INTERNAL EXAMINER Date :- 14/06/2022

250

SIGNATURE OF EXTERNAL EXAMINER Date:- 14 /06/2022

DIKADE DR. A. Co-ordinator, IOAC Arts & Commerce College, Jarud

Principal

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

# Arts and Commerce college Jarud, Tq.Warud,Dist.:-Amravati Practical Examination Summer 2022

### Home – Economics

### B. A. Part - III (Semestar) VI

Date :- 15/06/2022 Time :- 09<del>.00</del> To <del>12.00</del> 10.00 **To** 01.00

Sr.No	Roll No.	Answer Sheet No.	Students Name	Signature
1		0136048	Ku.Nafisa Bano Ab.AlimPathan	OF.
2		0136049	Ku.Priyanka Ganesh Mahulkar	Pamahulkas
3		0136050	Ku.Yogini Dhanokar	Pesini & Ohomko

SIGNATURE OF INTERNAL EXAMINER Date :- 15/06/2022

SIGNATURE OF EXTERNAL EXAMINER Date:- 15 /06/2022

DE DR. A. B. Co-ordinator, IQAC

Principal

### SANT GADGEBABA AMRAVATI UNIVERSITY, AMRAVATI, PRACTICAL EXAMINATION SUMMER 2022

B. A. Part - I (Semestar) II

### EXAMINATION B.A.PART-I (Sem-II) SUBJECT – HOME-ECONOMICS

-

FOIL /COUNTER FOIL DATE:- 14/06/2022 Tuesday MAXIMUM MARKS 30

CENTRE/COLLEGE :- Arts And Commerce College Jarud, Tq.Warud, Dist.:-Amravati

SR.NO.	ROLL NO. NAME OF THE STUE	NAME OF THE STUDENTS	MAXIMUM MA ONE PRACTICA	MARKSOBTAINED FOR	
			IN FIGURE	IN WORDS	
1		Ku. Vaishnavi G.Dharme	28	Twenty eight	
2		Ku. Pratibha A. Deshmukh	27	Twenty seven	
3		Ku.Dhanshri G.Nagle	26	Twenty size	
4		Ku .Sanika B. Davande	26	Twenty size	
5		Ku. Aachal S. Varma	27	Twenty seven	
6		Ku. Raksha V. Khutpale	25	Twenty five	
7		Ku. Dixita B. Varkhade	25	Twenty fire.	
	and an annual				

*PBuchne* SIGNATURE OF INTERNAL EXAMINER Date :- 14/06/2022

DR. A. B . KUKADE Co-ordinator, IQAC ommerce College, Jarud

DIDIO

SIGNATURE OF EXTERNAL EXAMINER Date:- 14 /06/2022

Principal

# Arts & Commerce College Jarud

Practical Examination Winter 2022

Home – Economics

Signature Copy Date :- 22/01/2023 Time :- 10.00 To 1.00

B. A. Part - II (Semestar) III

Pasole

SIGNATURE OF INTERNAL EXAMINER Date:- 22/01/2023

SIGNATURE OF EXTERNAL EXAMINER Date:- 22/01/2023

ADE DR. A. ordina Co IOA Arts & Commerce College, Jarud

Principal Arts & Commerce College

# Arts & Commerce College Jarud

Practical Examination Winter 2022

Home - Economics

Signature Copy Date :- 22/01/2023 Time :- 10.00 To 1.00

# B. A. Part – II (Semestar) III

Sr.No	Roll No.	Answer Sheet No.	Students Name	Signature
1	21 AA 114910	0854521	Ku.Vaishnavi G. Dharme	Pharme
2		0854622	Ku.Pratibha A. Deshmukh.	P.A.Deshmukh
3	2-1AA114878	0854520	Ku.Dhanshri G. Nagle.	Bragte
4	LIAA114864	0554519	Ku. Achal S.Varma.	Fehay
5				

posoche

SIGNATURE OF INTERNAL EXAMINER Date:- 22/01/2023

SIGNATURE OF EXTERNAL EXAMINER Date:- 22/01/2023

KADE DR. A Co-ordinator, IQAC Arts & Commerce College, Jarud

Principal

Formate.

	on: B.A.II (Sem-III) Home Economics Centre/College:		Summer/Winter-2022 nd Com. college Jan
Roll No.	practical only.		Marks obtainted for one nly.
		In Figure	In Words.
21AA11 4910	Ky. Vaishny vi G. Dharme	29	Twenty Nine
ZIAAIUS	Ku. Pratibha A. Deshanukh	26	Twenty six
21 A A 1148 78	Ku. Phanshri G. Nagle	28	Twenty Eight
21AA11 1864	Ku. Achal S. Varma.	26	Twenty six
2		Sine P.	
	· · · ·		•
Alexandre and a second			
		1	
9		1	
Signature Date:- 2:	Abothe of Internal Examiner 2101/2023 DR. A. B. KUKADE Co-ordinator, 10AC Arts & Commerce College, Jarud	Arts &	of External Axaminer. 22/01/2023 Principal Commerce College A. Warud, Dist. Amravati

Formate.

Examinati		A:1- A	Summer/Winter-2022
Subject :	Home Economics Centre/College		
Roll No.	Name of Candidates	Maximum practical o	n Marks obtainted for one only.
		In Figure	In Words.
21AA11 4910	Ku. Vaishnavi G. Dharme	29	Twenty Nine
21 AA 11 4898	Ky. Pratibha A. Deshmukh	26	Twenty Six
21 AA 11 48 78	Ku. Dhanshri G. Nagle	28	Twenty Eight
21 AA 11 48 64	Ky. Achal S. Varang	26	Twenty six
<b>a</b>			
		1	
		ļ	
A Signature Date:- 21	Boche of Internal Examiner 101/2023	Signature	of External Examiner. 22/01/2028
	DR. A. B. KOKADE Co-ordinator, IOAC	1 1	Principal
	Arts & Commerce College, Jarud		Varud, Dist. Amravati

Arts & Commerce College Jarud

Practical Examination Winter 2022 Home – Economics

Signature Copy Date :- 21/01/2023 Time :- 10.00 To 1.00

### B. A. Part - I (Semestar) I

hoon

SIGNATURE OF INTERNAL EXAMINER Date:- 21/01/2023

inia

SIGNATURE OF EXTERNAL EXAMINER Date:- 21/01/2023

ADE DR. A. Co-ordinator, IQAC Arts & Commerce College, Jarud

Principal

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

Formate.

Sant Gadge Baba Amravati U	niversity, Amravati.
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FOIL/COUNTER FOIL

Roll No.	Name of Candidates	Maximum practical or	viarks obtainted for one		
		In Figure	In Words.		
	Ku. Mamata s. Nathile	26	Twenty six		
			· · ·		
4					
	PBorn of Internal Examiner 11 0 1 202 BR. A. B. KOKADE Co-ordinator, IQAC Arts & Commerce College, Jarud	Arts & Con	External Examiner. 21   CI (2023) Fincipal nmerce College arud, Dist. Amravati		

Formate.

Examination : P	A.J (Se	m.J)				-Sum	FOIL her/Wir		TER F
Subject :- Hom	e Econon	NIG-Centre	e/College	Arts	and	1 Cos	m·co]	lege	Jan
	e of Candidates			Max	2. 100	Marks	obtaint	0	
				In Fi	gure		In Wor	ds.	
Ku.n	namata S	Nath	ilc	2	6	T	went	y s	ix
	5.42								
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	And State								
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nature of Interna e:- 21101/2		. A.B. K	UKAD	.Signati	ure of i	RE	and the second se	niner. 2023	3

# Arts & Commerce College Jarud

Practical Examination Winter 2022 Home – Economics

B. A. Part - I (Semestar) I

Signature Copy Date :- 21/01/2023 Time :- 10.00 Toj3.00

Sr.No	Roll No.	Answer Sheet No.	Students Name	Signature
1	22AA114800	0854516	Ku.Mayuri R.Kawadeti	M. R. Kavdetj
2	22.AA1147	0854515	Ku.Manisha M.Sonerkar	Manista Sonet
3	2-11111 1gg	0854514	Ku.Khushi A. Sinhale	श्रुशी अरेगन्ति
4	22 MN 11743	-		
5				

Madhe

SIGNATURE OF INTERNAL EXAMINER Date:- 21/01/2023

SIGNATURE OF EXTERNAL EXAMINER Date:- 21/01/2023

ADE DR. A. Co-ordinato IQAC Arts & Commerce college, Jarud

Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

### SANT GADGEBABA AMRAVATI UNIVERSITY, AMRAVATI, PRACTICAL EXAMINATION WINTER 2022

B. A. Part - I (Semestar) I

FOIL /COUNTER FOIL DATE:- 21/01/2023 Saturday MAXIMUM MARKS 20

EXAMINATION B.A.PART-I (Sem-I) SUBJECT – HOME-ECONOMICS CENTRE/COLLEGE :- Arts & Co

SR.NO. RO	ROLL NO.	NAME OF THE STUDENTS	MAXIMUM MARKSOBTAINED FOR ONE PRACTICAL ONLY		
			IN FIGURE	IN WORDS	
1	22A A114800	Ku.Mayuri R.Kawadeti	18	Eighteen	
2	22441147.99	Ku.Manisha M.Sonerkar	18	Eighteen	
3	2249114792		19	Ninteen	
4				Nineteen	

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SIGNATURE OF INTERNAL EXAMINER Date:- 21/01/2023

and

SIGNATURE OF EXTERNAL EXAMINER Date:- 21/01/2023

DR. A. B. KOKADE Co-ordinator, IQAC Arts & Commerce College, Jarud

Principal

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

### SANT GADGEBABA AMRAVATI UNIVERSITY, AMRAVATI, PRACTICAL EXAMINATION WINTER 2022

B. A. Part - I (Semestar) I

#### FOIL /COUNTER FOIL DATE:- 21/01/2023 Saturday MAXIMUM MARKS 20

#### EXAMINATION B.A.PART-I (Sem-I) SUBJECT – HOME-ECONOMICS CENTRE/COLLEGE :- Arts & Cor

Arts & Commerce College Jarud.Tq. Warud Dist:- Amravati.

SR.NO. ROLL NO.		NAME OF THE STUDENTS	MAXIMUM MARKSOBTAINED FOR ONE PRACTICAL ONLY		
1.4.2.2			IN FIGURE	IN WORDS	
1	22 AA 11 4800	Ku.Mayuri R.Kawadeti	18	Eighteen	
	221AA 11 4799		18	Eighteen	
3	21 AA 11 4792	Ku.Khushi A. Sinhale	19	Ninetecn	
4		Ky. Priza M. Harle	-	Abs-ent-	

MBare

SIGNATURE OF INTERNAL EXAMINER Date:- 21/01/2023

SIGNATURE OF EXTERNAL EXAMINER Date:- 21/01/2023

KADE DR. A. B. Co-ordinator, ICAC Arts & Commerce College, Jarud

Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

### Arts & Commerce College Jarud, Tq- Warud. Dist.-Amravati Practical Examinati Summer 2023 Home – Economics

B. A. Part - I (Semestar) II

Signature Copy Date: - 30/04/2023 Time: - 10.00 To 12.00

Sr.No	Roll No.	Answer Sheet No.	Students Name	Signature
1	22AA114800	0854566	Ku.Mayuri R.Kawadeti	M. R. Kavdeti
2	22AA114799	0854564	Ku.Manisha M.Sonerkar	Manisha
3			Ku.Khushi A. Sinhale	MA
4	-		Ku.Priya M. Harle	Absent
5				

posoche

SIGNATURE OF INTERNAL EXAMINER Date: - 30/04/2023

SIGNATURE OF EXTERNAL EXAMINER Date: - 30/04/2023

Principal

ADE DR. A. TOT. Co Arts & Commerce College, Jarud

#### SANT GADGEBABA AMRAVATI UNIVERSITY, AMRAVATI, **PRACTICAL EXAMINATION SUMMER 2023** B. A. Part - I (Semestar) II

EXAMINATION - B.A.PART-I (Sem-II) SUBJECT - HOME-ECONOMICS CENTRE/COLLEGE: -

FOIL /COUNTER FOIL DATE: - 30/04/2023 Sunday **MAXIMUM MARKS 10** 

Arts & Commerce College Jarud.Tq. Warud Dist:- Amravati.

SR.NO. ROLL NO.	. NAME OF THE STUDENTS	MAXIMUM MARKSOBTAINED FOR ONE PRACTICAL ONLY		
		IN FIGURE	IN WORDS	
1		Ku.Mayuri R.Kawadeti	09	Nine
2		Ku.Manisha M.Sonerkar	09	Nine
3		Ku.Khushi A. Sinhale		N.A -
4		Ku.Priya M. Harle		Absent

(201010

SIGNATURE OF EXTERNAL EXAMINER Date: - 30/04/2023

DR. A. B. KI KADE Co-ordinator, IOAC Arts & Commerce College, Jarud

Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravat

#### SANT GADGEBABA AMRAVATI UNIVERSITY, AMRAVATI, **PRACTICAL EXAMINATION SUMMER 2023** B. A. Part - I (Semestar) II

EXAMINATION - B.A.PART-I (Sem-II) SUBJECT - HOME-ECONOMICS CENTRE/COLLEGE: -

FOIL /COUNTER FOIL DATE: - 30/04/2023 Sunday **MAXIMUM MARKS 10** 

Arts & Commerce College Jarud. Tq. Warud Dist:- Amravati.

SR.NO. ROLL NO.	NO. NAME OF THE STUDENTS	MAXIMUM MARKSOBTAINED FOR ONE PRACTICAL ONLY		
		IN FIGURE	IN WORDS	
1		Ku.Mayuri R.Kawadeti	09	Nine
2		Ku.Manisha M.Sonerkar	09	Nine
3		Ku.Khushi A. Sinhale		MA.
4		Ku.Priya M. Harle		-Absent-

3010101

SIGNATURE OF EXTERNAL EXAMINER Date: - 30/04/2023

DR. A. B. KURADE Co-ordinator, IQAZ Arts & Commerce College, Jarud

Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

# Arts & Commerce College Jarud

Practical Examination Summer 2023 Home – Economics

B. A. Part - II (Semestar) IV

1 2

Signature Copy Date: - 07/05/2023 Time: - 10.00 To 1.00

Sr.No	Roll No.	Answer Sheet No.	Students Name	Signature
1	21AA114910	0854569	Ku.Vaishnavi G. Dharme	Pherome
2			Ku.Pratibha A. Deshmukh.	-Absent
3	21 A A 11 4878	0854571	Ku.Dhanshri G. Nagle.	Tonagte.
4	21AA114864	0854570	Ku. Achal S.Varma.	Adal
5				

pBoche

SIGNATURE OF INTERNAL EXAMINER Date:- 07/05/2023

301010

SIGNATURE OF EXTERNAL EXAMINER Date:- 07/05/2023

Principal

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

(ADE DR. A Co-ord IØAC Arts & Commerce College, Jarud

## SANT GADGEBABA AMRAVATI UNIVERSITY, AMRAVATI, PRACTICAL EXAMINATION SUMMER 2023

B. A. Part - II (Semestar) IV

#### EXAMINATION B.A.PART-II (Sem-IV) SUBJECT – HOME-ECONOMICS CENTRE/COLLEGE: - Arts & Comr

FOIL /COUNTER FOIL DATE:- 07/05/2023 Sunday MAXIMUM MARKS 30

Arts & Commerce College Jarud.Tq. Warud Dist: - Amravati.

SR.NO. ROLL NO.		NO. ROLL NO. NAME OF THE STUDENTS		RKSOBTAINED FOR L ONLY
		IN FIGURE	IN WORDS	
1		Ku.Vaishnavi G. Dharme	27	Twenty Sev
2		Ku.Pratibha A. Deshmukh		Absent
3		Ku.Dhanshri G. Nagle.	26	Twenty six
4		Ku. Achal S.Varma.	24	Twenty Four

Abodre

SIGNATURE OF INTERNAL EXAMINER Date: - 07/05/2023

SIGNATURE OF EXTERNAL EXAMINER Date:-07/05/2023

Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

KADE DR. A. B. Co-ordinato IQAC Arts & Commerce College, Jarud

### SANT GADGEBABA AMRAVATI UNIVERSITY, AMRAVATI, PRACTICAL EXAMINATION SUMMER 2023

B. A. Part - II (Semestar) IV

#### EXAMINATION B.A.PART-II (Sem-IV) SUBJECT – HOME-ECONOMICS CENTRE/COLLEGE: - Arts & Comr

FOIL /COUNTER FOIL DATE:- 07/05/2023 Sunday MAXIMUM MARKS 30

**E/COLLEGE:** - Arts & Commerce College Jarud.Tq. Warud Dist: - Amravati.

SR.NO.	ROLL NO.	ROLL NO. NAME OF THE STUDENTS		MAXIMUM MARKSOBTAINED FOR ONE PRACTICAL ONLY		
	ALC R. S.L.	and the second second second second	IN FIGURE	IN WORDS		
1		Ku.Vaishnavi G. Dharme	27	Twenty sever		
2		Ku.Pratibha A. Deshmukh.		- Absent		
3		Ku.Dhanshri G. Nagle.	26	Twenty Six		
4		Ku. Achal S.Varma.	24	Twenty Four		

Aboche

SIGNATURE OF INTERNAL EXAMINER Date: - 07/05/2023

21010

SIGNATURE OF EXTERNAL EXAMINER Date:-07/05/2023

DE DR. A. B. Co-ordinator, IOA Arts & Commerce College, Jarud

Principal

# PRACTICAL BOOK AND PHOTO HOME ECONOMICS

	Certificate
Na	me of Depeartment Raksha khutpake.
1	Home-Economics
Th	is is to certify that this Pratical Record contains the bonafide
Pra	actical Work of Shri./ Kumari / Shrifilati. Raksha Vilassingh
-	KhutPale
du	ring the Academic Year 2021-2022
	doto Frins
	हरगान जाज किंग्रिंग
Da	te
	Signature of the Teacher Who taught the examinee
1)	
	1
2)	him
	Head oPtip@gartment
3)	Arts & Commerce College Jarud, Ta, Wanid, Diet, Arte

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

30

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In the absence of the above certificate the mark Record shall not be awarded to the examinee.

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PAGE DATE -प्रात्यांक्षक भरतकला-मानवी कल्पना आाने कोंशल्य यांची आम्रेन्यकरी म्हनजे अरतकला होय. 'असकला हो लोककूला' आहे. 10का गोढीने आपत्या डव्स-या गोढीला संस्कृती सामृष्ट आणि व्यावसायिक सामृहद्वतेच्या दुस्टीक्रेजा तुन ती संस्थामेत कली. आज आपतीय पारंपारिक अरतकलेच्या वस्तांग्पा बोत्नावाला केव्ह आपत्या देव्राप्रताप मयादित साहेला गाउँमास्ट्र निर्द्रमार्ग् आनीव्या गार्त्विद्रासिंह रहा डिगान विश्वास्त आलेली दिसते. भगमा भग्नित कार्या कार्यास्यमा भूवनेदप्ते मिरी डोक्टेलोन्या मते : '' जग्भर रहती, उर्णा, ज्युट, रेशमी कापड '' जग्भर रहती, उर्णा, ज्युट, रेशमी कापड '' जग्भर कते जामाल वापरले जापत. तसेच सार्टन, र्याछठी झाणि फुली टाक्योनी अल्तकाम कले जामे. " जिल्ला कानाको प्यान वाप्यले जागारे स्तर्व प्रकारणे राके राकत्या आवतातील अध्तकलेत उपयोगल र्यतल. दिवान होवून दिक्सें ाहेवस्म अपतकलेने केत्र सम्हहर अलल्याने हिस्टन भेते. परिभाषा :- " कपडयावरील सुंदर डिसारन नष्टने सुई व दाठा योग्पा साखाने कलाक्सरीन विविद्य एक उपयोगान

हाजा IDADATE PISINSIR-Kappolars (1910 The tomic interior top value population is inscribed inscribed to as Roder - 1961 of Stiller Contrain (1962 (11) 100 100 100 साल ज्यावरगायेक सांग्रहकत्त्वा हित्दीवकातान तो संकृति ाग्रियाह मिलिस्वर् कार्या विकिस्ति स्थिति MITHE DP36 Partic HAD MARY HAD DE मेरी आर्थ्स रहती, उगाउँम्ह, भूममी कापड erosito trans anno mypilo niterative rent one 5. FIN FOR HIGHNAR ADIS ADD SING COME DOBRAT DEN SIGNED GAME MISPIGER AND VALOR HIGHER STA CARLE SHIPPING SHORE STANDING General PE FURTI FRODI TORTS TOTORS . MILLS AN V-PRES BRICHA PRIM AR. हाछि। आध्या स्पाह्याने कलाव्यप्रियो विलहा एक इप्राणित

PAGE : DATE : आपुन आणि अनुक्ष रंगभगती साथन कार्यड्यारे सीदंरी व भूल्य वाठावेली म्हणजे अक्तकला होयः भ्रितकलोन्दे आहित्य :-भगतकला करताना त्याकरिता गिरोस्ट साहित्या - गी ठारण करते. योग्य आहित्य करत्वास भरतकला सुदर होक्यास अद्रत होय, अग्रेतकलेच्या टाक्यानुसर त्याचे नगरित्य योडयाफार प्रामाणात खद्ते स्तर्महारणपणे अश्कामाकारेता खालील साहित्याची आक्त्यक्ता असते. हाआ, पहुंहे काली कापड , हायुरतान हैं) ,कहिन पेपर, रुम, पेन्सीत, रकेत, बारीक दात्यान्ये द्रे स्तेंग, रकेत. इ. भरकलकरिता आवटयकता आहेत. 0 हाआ:- हामा अस्तत्याहीवाय व्यक्ती अस्तकाम कर अकत नाही. अवतकलेल्या तो एक आविभाज्य घटक आहे. अनेन्द्रा द्यार्ग्यान्या ानेवडोवर अवतवामान्यी व्यक्त -ता रेशमी, स्तरी अत्रेक द्यायांचे एक वेगठे वेहीच्ये अस्मते. रेशमी द्याया मरू व जाहन अस्मते. यांच्या उपयोगाने केलेले अनतकाम नाजुक व स्ट्रंदर किसेने स्ती दााठयाम्हये मोदी सन्कर, डोली यान्सारख्या सनेक कंपन्मन्ये द्याठो उपलब्ध आहे. द्याउयान्यी निवउ काराज्य -पा प्रकार, जाडी पोताच्या कापडावर उपयोग करलेना द्यांगे लोकरी, स्ती व जाउ वापनने आर्चक योग अस्ति. तसेच जतीन्या दार्घ्यान्या अपयोज भरतकाम

कात्री Istory the 10/12 OK उत्रण रहानत. याण्य स्नाहरूव रहार्स्याहा अस्तवत्वा संहट मास अग्र होय कर्मत्र तार्था हो केमान्द्रार त्याले जाहिल्य THIS SAME AND A COLORISICALER COLOR STARTS (STADIE) and the source of an applied when spirit rander ich tomspis is visit Reider S P-116113 you Duiter, Filler & Kand & Harris 19 and and the sources PAS POULS 140 16/00 tar nade THE TES TO ILS TO STA आह. लेखेलाता हारगान्या लिलेहोलर अल TOTTO I The the The Th 516 HEATE EIISAC मिल्ल इस्ते. रेश्रेमी घारा हार ज जाहत इल्ला अहंया उपयोगाले केलोंगे किल्लाम लाजुम त रुदर केंग्रे केप्रतामें हाते उपलब्ध साह. हात्याची लिवउ काराड्य मा प्रकार, जाड़ी पातास्यों कापडावर डपयाहा के तम सहि लाकरी, यती हर्मता के जावने हार्सिक शान the hard with the institute states property



PAGE : DATE :\_\_\_ 7. 3-16ीट्या टाका (Bulion stideh) उच्चिता टाका दोन प्रकारे आहे-अ) विंदूच्या स्वक्रपात (आह), a) पाककीच्या स्वस्तपात. कृती :- सुई कापरातन वर काढावी हुहेरी शामा हयावा. श्रीउया अंतवावर सुई टोचुन सुईच्या टोक्यक्मील' भामावर आपल्पाला पाहिजे तितकया आख्या सुईवर' मंडाकाल्यात आणि सुई जालच्या बाजुने टोचुन हिझाइनवर अंगन डेचुन खाती काढावी. वीशिष्ट्ये :- स्नुई ज्या विंदुत्तन वर काढली क्वाडी त्यांग विद्रणवळ स्तुई याली ठाकावी. उपयोगः फुलांम्रहये पराग अरव्यास उपयुक्त किंवा तहान आकार म मुताबाची फुले रपुंदर होतान.





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THE DE PAGE : LO DATE:\_\_\_/\_\_/\_ प्रांतीय आहार विविद्य भौगोलिक प्रांतानुसार अगहाराचे सुद्ध वर्गीकरूग आपोआपाप्य झालेले दिसते. आहांशवर हवामान, जमीन, याऊस, आहिन क्छिती, धार्मिक समजुली व रुवे या स्वोधाय परिणाम होतो. सत्येक प्रांतातीन त्योकांच्या आहारात काही पहार्थ आहळतात तर काही वेगवेधला आब्बनो . पंजाबमच्चे गढू जास्त पिकृतो म्हजून तेथील आहारात भव्हाचे पहार्थ जास्त, बंगाली लोकां ख्या आहारात लांदुक व मासे जस्त अस्तात. त्याप्यमुळे प्रांताप्रमाने आहासन थोडी जिल्लान आहळना. आत ब्लगवलगानी साहाने वाहल्याने संपूर्ण आहतान केलेगच्या प्रांताचे पहारी खाल्ने जातात. परंतु तरी सुद्धा प्रायेक प्रांतान स्वावार साजरा करन्यासाही पारंपरिक खाख्यपढार्थ बनविले जाताल. काही प्रांतीय खाखायहारी खाली हिलेले आहेत. बाद्विगात्य पबार्थ - दक्षिणेकडे म्हलाजे केरल, मप्रास, या भागम सुख्य पीके म्हलाने तांदूळ. वंगलोर त्यान्त्रप्रमाने लाश्क, मासे, केली घेधे अरपूर प्रमानात उपलब्ध होतात म्हनून त्यांप्त्या आहारात प्रामुख्याने उपयोग होतो. उक्तडीचा लांदूळ जाश्त वापश्ला जातो. त्यामानाने गहु, जानी आलि 31 1 1 1

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उलप्पा या पहार्याचे पोषनमुल्य

PAGE: L DATE :\_\_\_\_/\_\_/\_ फल्जांचा अपयोग कमी होतो. संपूर्व भारतात लोकप्रिय झालेले दक्षिगेकडील पहार्थ म्हणजे इडली, डोसा, वडाश्नोबार, पायसम् केला, वेफर्स इत्यादी पढार्थ आजकल सर्वत्र मिळतात. लाख्याचे पीछ जास्त असन्यानं स्वयंपाठात खोक्याच्या त्रेलाखा उपयोग जास्त होती. त्यांख्या आहारात तळलेल्या पदार्थापेक्षा वाफविलेल्या पहाश्रीचा जास्त अपयोग केला जातो. 9) अलप्या - भाहित्य - हातसडीप्ये लांदूल १५० ग्रॅम, ब्रुहीद डाळ - ५० भीम मेथी दाला - १ लामन्या, तेल् - २५ृ ग्रेम कार्द् - 40 ग्रेम ५० भूम टमारे हिरवी मिर्बी, सीह , को र्थवरि उनावश्चकत्रेयमार्ग. कती - तांदूल, उडीद डाल उपानि मेथी दाना वेश्वेम्बर्ग भिज्न हाल। (समारे १२ लास) मिकसरपर वेश्वेशके बारीक करून एकप्र करा, खमिरीकरुग होन्यास ८-१० तास काम्यतोवर प्र्तेरिकच्छा इच्छात मिर मिसकून हेवा मिश्रवा कुगून हुप्पट हर्द्वि . तवा भारम करून त्यावर तील, मीह, पाल्याम्यं भिन्मण कुछाड्याल्या खोळ्याने आंधवा ्वताध्याण्या लुकड्याने परनरवा • 9/8 वाही मिश्रव आंदुल वारीच्या बुडाने से अलगढ प्रसरवून गोनाकार

# भांबार वडा या पहार्थाचे पोषनमुल्य

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जन्मकानका ist din इ. लोहाल्या प्राव्सीसाही पदार्श्व 10 100 6 92 • पालकु पशहा इ. कैलाशियम प्राप्तीचे पढार्थ 98 प्रयोगधाळ सीन नियम रत्याची जीर रखाम्या कार फ. शायमिल प्राप्तीन्ते पढार्थ • अंदुरित दङ्घाल्याची छिरडी 5 TOTUE ISIDE TIPITOTO : S TIND SUTH मामहित के अल्लाशंहराव का लेखांका आइवाते - जोडा करवता वा ज्यास - फिल्झ भारतांचा प्रदास प्रायकित ३ - इन्लामीत्याहारक, व्याप्र अ. जाववारगत आ पाजीरगत 18 313 · STICIE ENGL ल, उखाके प्रान्तिमाह चता 126 1100,014 0 00

PAGE: 8 DATE: /\_/\_ वजन अगानी मापे आपल्या होजन्छ्या अल्ल शिज्वीनम्या पद्यतीमध्ये सर्व अल्लपदार्थ आपण अंदाजाले घोडल शिजवनो . काही वेळा अंदाजासाही वाही, कप, - यहाने समने, सुह, ारीमूट यांचे समय कोतने जातू. रोजन्त्या सवयीमुळे आपला हा अंदाज बरोबर असतो. परंतु काही पाककृती अशा असतान की ज्यातील पदार्थ योग्य वजनाने मापूल होतने नाहीन तर त्या बिहाडण्याचीच शक्यमा जास्त असते. पोषणशास्त्राम्यी विष्यार्थिती या नात्याने वाटीन होतवेल्या प्रत्येक पढार्थाचे वजन सारिती असने अत्यावश्यक आहे. (कद) वारी समागीकरग झाले की कोगतीही वुनी करक्यास स्रोपेष्माते. यादी न्यमन्त्याने प्रमागीकरण करने ही पात्याद्विक प्रत्यक्षपने सुरू करन्या आधीची पायरी आहे. वजन व मापे खेल्याची आमशी - आपल्या रोजखा वापरात रोगा-या पहार्धायेकी कनीक, लांदूळ, डाळ, रवा, साखर यासारख्या धन वस्तुंचे वजन होतले जाते, तसेच दूहा, फळांचे रस, पानी यास्रारुबो प्रव पहार्श लिटर अखवा मिलीलिटरमच्छे मोजले जातात , अन्नपदार्धां से मापन करन्यासाठी पुरील सामग्री आवश्यक आहे.

व्यन्त उसाने मापे pres and, orda 61-900 तालन हि 121300 מהסמשות אות הושאים כוום בוור אות אות האבטובו वजनाचा काटा तहाल व सापे बीव्यस्ती भामधी - आपल्या शोजस्था

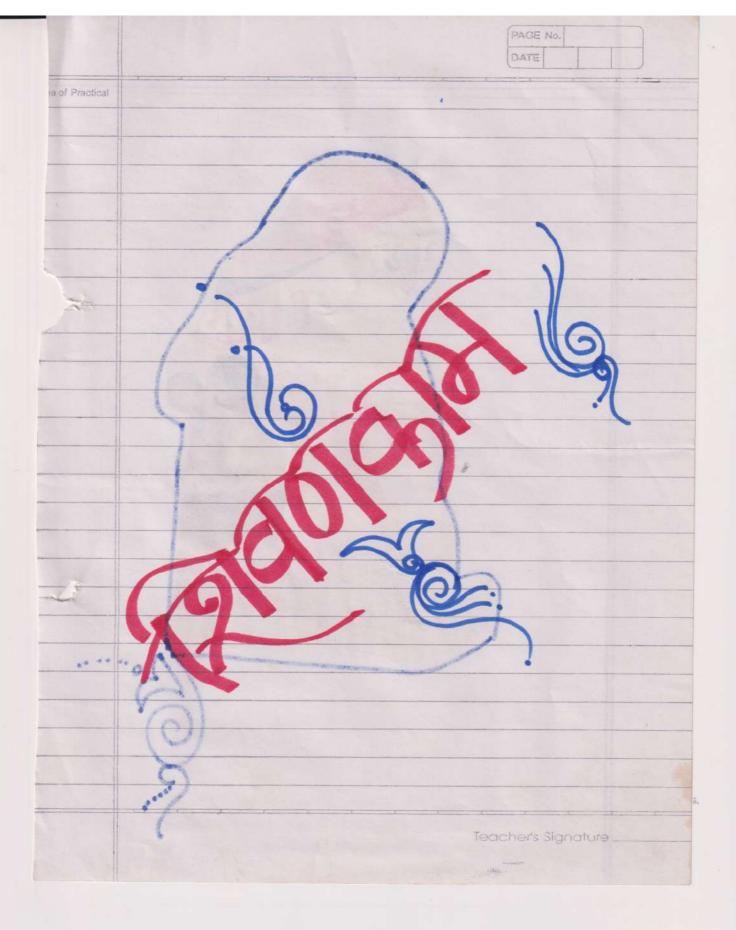
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अहवाल PAGE NU. DATE अंगवाडीला हिलेल्या झेरी अहिवाल Name of Practical अंगणवाहीयी स्थापणा - 1996 खंगलताही क्रमांक - 140 Ligor विहराशी भारेक्या - 15 अंग्रागराडी येन्द्र - सफ्रीकी - 10 ते 2 अंगणवही शेषीका ण प्रध्य लगा जामाननमी डालोन) ए को पुष्पा रोवमानमी वाखमारे महतनीस्न : माला नामहेव २१० पीछहे अंगठावाडीसहम् समीकी रशापवा छेकी आहे वजन - प्रयोभ महीक्यात राष्ट्रा मुलाने वणन जिल्ला जात. मुलांचा आठवडी आहार श्वताय मार, लाश्नोकेक 2)216018 23301२ - रिवयजी इनुकुवार श्चक्रिया २ - श्वीचडी स्रातीवार् - जोजी मुलोना द्यारी 12 लग नांश्ता पर ला जेव01 हिल्या जात Teacher's Sign.:

PAGE NU. DATE Name of Practical @ 49320 -सरकरी अद्यामित्रमहार महाव्यास्य द्रम्या गुरुवारी लश्चीकरुग मोलीम राववीली जाते. यामहरी बतेड वर्ष कोगटा तील मुलौना पीली झो पाजल्या जाते. अग्रत हीमहेरे जिल्लेखा जिंदर से भार अंग्रत जिल्लेख रहेविदाष्ट्र जावले होहिन <नमांखा छरावा, छ सुद्द वालक देशांशी संपत्ती ही संगालहा माणा पाण राजा अलाखामी अनेक 202 होश. @ अगरी बेहे खरेल तरी प्रथहन हार्श हे सरिव होगाया वहवरीप्रेक्षा व क्लमगणपिष्ता के लाशी अहीक संगले लेख, अंग्राष्ट्राधीमंहेत समुहाग्रही आलेनी सोह. त्यामहर्य जन्मापासुन ते द क्वपिश्हीस्था वामनामा नोंद केल्या आले. खंगगा0,50मिल देशमाडीमाहरे रिगालासकी म्हालगिज वालविज्ञ स्ट्रांग रहीमा र गर्भवती मार्डीला प वालाफोगा अपना । श्राया- युरवडी यांग पॉकीट दिले जाते बीगवाडीमहत आपाहीक व कार्यक्री का क्ली डाहिन. उत्ते य वर्ष वर्धा २ व Teacher's Sign .:

PAGE NU. DATE Name of Practical यते कि कर्ष वशीगट आरे होन साम अटल हे केलापनय वन विने साहे. या होन्ही क्योगतील मुलांसाती के कि 1621 में द्या भी कि आग के महा 101 10 में 5 या विकास कोठाने जाम फिली वेष्ठान करावे यान्यी लोड हेलेली झोह. यामहत्व नाह्यतासी वेष्ठ, ज्वेष्टम्यी वेक जीवनामा केक व स्थांमा गाने गोरी कोई होद्वीविशासा पेन्द्रा विश्वीत जेल्या साह अंगठावाडीमहो जुपोवनाशीकी मालीनी त्विहा सार्ट्या रहरुपात लावलेङनि ब्राहत. यामुदे १७९७११०७१७३ नाई नई नही मिदयासम्बद्ध मिदयासम्ब कार 01 अल्पीहार आहेत ने पुक्ल्यां न व्यक्ती आपल्या सार्वात तसेच आपल्या मुला, ता श्वरत व समतील साहार हेन्यान कुडवान छर्ल. " रिषाम तीच ताट पुरुन अने परि उस पारिल वाद तीत्वा पोटी" हान्य आभाग्निमागचा उद्देश बाहे की हेन्य सिंही भाषित्रात्या अभीग जन्मे आगिषिक अवयतांचा हार्ट, पहनी, पूर्व, पुली, पाकीन पाकीन पानी, त्रह्याहीन्छान्सर हावला अहि. 212012 तेषु महीलात्माओ निमति, झालेल्या फिरोरी राक्ती योजनेचे चार्ट लावनले 8110 18 तम पूर्ण त्राधान्या कार्या एक यह 8% नरो Teacher's Sign .:

PAGE NOL DATE ' "जेर्टनां स्वरनावं हे) रक्षेड नसाता!' वान विवाह कार्य क्योने अपराह्म !" अन्यापकोरे स्नुगवे-पार्श्ती सिद्ये क्याकोली साहि, Name of Practical Teacher's Sign.:





PAGE : DATE :\_\_\_/\_\_/\_ कना व वालिज्य महाविद्यालय. जरुड लाव : दु वैकावी भोदुनराव धर्मे वर्भ : बी.ए. भाग १ (सेम २) विषय : ग्रहअर्थशास्त्र 3 x Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

PAGE : DATE :\_\_\_\_/\_\_\_ प्रात्याक्षिक भरतकला मानवी कल्पना आणि कोशल्य यांची अमिव्यक्ती म्हणजे भरतकला होय. भरतकला ही लोककला ' आहे . एका पिढीने आपल्या दुसऱ्या पिढीला E. संस्कृतीसमुद्धः आहि व्यावसायिक समृद्धतेच्या दृष्टि-कोनातून ती संब्रमित केली आछा भारतीय पारंपासिक भरतकलच्या वस्त्रांच्या बोलाबाला केवळ आपल्या देशापुरताच मर्यादित राहिला नाही तर उम्मेरिकेतीन तरुगीन्ताही राजस्थानी अरतकलेच्या वस्त्रांनी मोहिनी छातली भारतीय भूरतकला एक स्टर्जनात्मक शक्ती म्हजून बाजारपेढेत खंबीरपने विस्तारिन झालेली दिसते. मेरी गोस्टेलोच्या मते : " जगभर स्तुती, उनी, ज्यूट, रेशमी कापड आणि द्यात्रे भरतकामात वापरले जातात. तसेच स्टिन, साह्यकी आणि कुली टाक्यांनी भरतकाम केन जाते." अग्रान्चे टाके एकत्या भारतातील भारतकोत उपयोगात र्यतात. अशा खडुआयामी अरतकेची सांस्कृतीक हेवान छोवान होवून दिवसेंहिवस अरतकलेचे होत्र सम्रह्ह होत असल्यांचे दिसून येते.

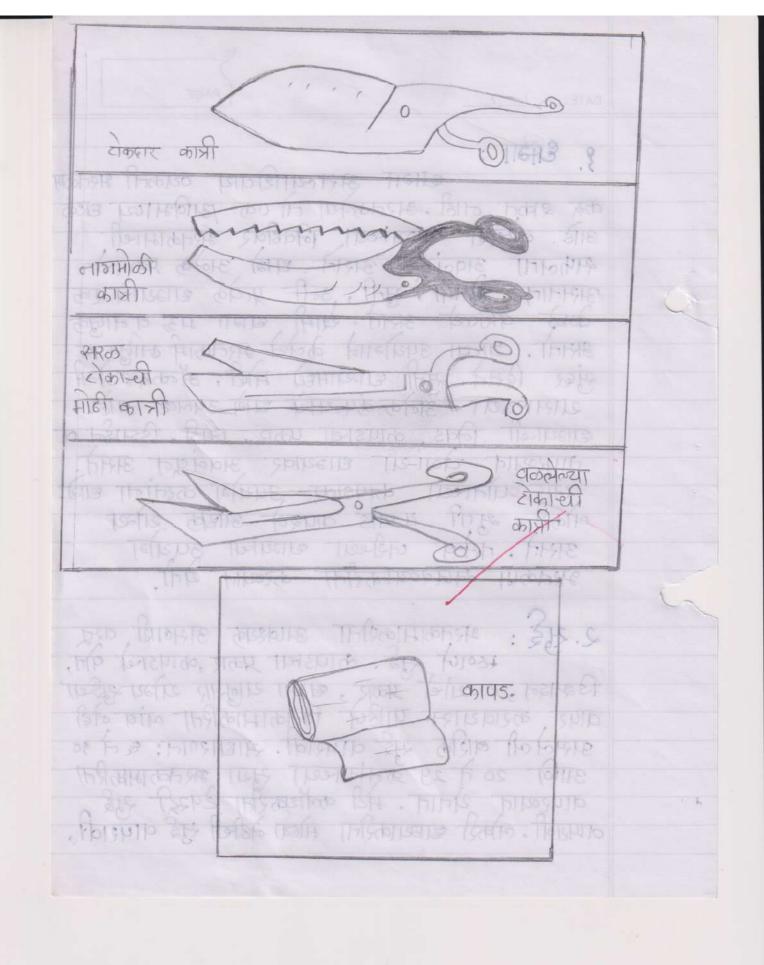
PAGE : DATE:\_\_\_/\_\_/\_ परिभाषाः " अपड्यावरील सुंदर डिझाइन, नमुने; सुई व धाने यांच्या साख्याने कलाकुसरीने विविद्य टाके अपयोगात आधून आणि अनुरूप रंगसंगती साधून कापणचे सेदिंग व मूल्य वादविने म्हनाने भारतकला होय ." भरतकलेचे साहित्य : भरतकला करतांता त्याकरिता विशिष्ट साहित्याची भरज असते. योभ्य साहित्य असल्याम भरतकाम सुंहर होव्याम महत होते. भरतकलेच्या टाक्यानुसार त्याचे आहित्य चोड्याफार प्रमाणान बब्बते. सर्वसाद्यारणपत्रे भरतकामाकरिता खानील साहित्याची अगवस्थकता असते. धागा, सुई, जात्री, छापड, अंगुस्तान, रिंग, कार्बन पेपर, रबर, पेन्सील, स्केल, बारीक हात्याचे ट्रेसिंग किल, इत्याही साहित्य भरतकलेकरिता आवश्यक आहेत.

परिभाषाः विदिश हाके अपयोगान गाडाछात, आणे अनुरूप रंगसंग्रेली साधून काण्डाले महिब व सूत्य वादविने हिलाने अल्लकना होग." महानेकेला केरतांचा त्वाकाल्ता विशिष्ट साहित्याची अरज आसते. योग्ड्र साहित्य असम्यास अरतकाम शब्द होव्यास सहत होते. अन्तवतच्या टाक्यावस्थरि त्याचे क्याहित्य वीड्याफार वल्यतः द्रेष्ट्र क्रिकित्वान् अत्यत्तामाल् हिता a totalas . जिनि होटी सुई 10 किंग्रिस . तर्द गत्याचे ट्रेपीका व्हिला . इत्यावी साहित्य अस्तकलेकारिता अविश्यके आहित. टेपस्ट्री सुई

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१. धागाः ह्यागा असल्याशिवाय व्यकती भरतकाम कर शकत जाही. भरतकलेगा तो एक अविभाज्य घटक आहे. बरेयहा धान्यांच्या, निवहीवर भूरतकामाची स्पर्भलता अवलंबून असते. धात्रे अनेक प्रकारचे असतात. रेशमी, सुती, उली प्रत्येक दाव्याचे एक वेशको वेशिक्ये असते रेशमी हागा मऊ व नाजुक असतो. यांच्या अपयोगाने केलेने भरतकाम हाानुक व सुंदर दिसते. सुती दाग्यामह्ये मोदी, अन्कर, डोली यासारळ्या अनेक कंपन्याचे धाने उपलब्ध आहे. द्याध्याची निवड, कापडाचा प्रकार, जाडी, डिझाईन व वापरव्यान चेना-या धात्र्यावर अवलंबून असते. जाङ पोताच्या कापडावर उपयोग करतांना धाने लोकरी, सुती व जाड वापरगे आधिक योग्य असते. तसेच जरीच्या दार्त्यांचा रुपयोग भरतकाम वनजवण्याकरीता करन्यात येतो 2. सुई : भरतकामाकरीता आवश्यक असगारी वस्तू म्हणजे सुई . कापडाचा प्रकार ,कापडाचे पोन, डिझाइन, टाक्यांचे प्रकार, धागा यानुसार योग्य सुईखां वापर, करावयास पाहिजे विनुकामाकरिता जांब नेही असलेली बाशीक सूई वापरावी. आद्यारणलः ६ ते १० अगलि 20 ते 29 केस्रांकाच्या स्रया भरतकामफरिता वापरव्यात् थेनात. मेरी क्लॉयकरीता टेपस्ट्री सुई वापरावी. लोकरी द्याव्याकरीना मोत्या नेठीची सुई वापरावी.





Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amawati







Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

## SCIENCE PRACTICAL EXAMINATION LIST and PRACTICAL BOOK

#### SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI. PRACTICAL EXAMINATION SUMMER- 2022 B.Sc.Part- I Physics (Semester II)

Batch : F				
Date :13	/06/2022		Т	ime: 09.00 AM
Sr.No.	Roll No.	Answer Book No.	Name of Student	Sign.of.Students
1		0136017	Akib P. Pathan	A.P. Pather
2		0136018	Ashish R. Mankaz	ALMouthar.
3		0 1 360 19	Manish N. Dhuzve	M.N. Pauve
4		0136020	Pzajway S. Shenderke	
6		0136021	Samyak S. Niswade	ssuntile
6		0136022	Shubhamo. Yuwanate	Grunnete
t		0136023	Sudazshan T. Kavdeli	are
8		0136024	Adity u S. Basunde	ABresunde
9		0136025	Shrikant B. Ujjainler	5. Bujjainkar
10		0136026	Athara J.J.Chorc	(almen
11		0136027	Siddhant P. Khandeker.	Dichandolker>
12		0136028	Tushaz s. Dandalc	tule
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INTERNAL EXAMINER DATE: 13/06/2022

DR. A Co-ord IQAC Arts & Commerce College, Jarud

EXTERNAL AMINER 13/06/2022 DATE :

Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

#### Arts and Commerce College, Jarud Tq.Warud Dist.Amravati SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI. **PRACTICAL EXAMINATION SUMMER- 2022 B.Sc.Part-I** Computer Science (Semester II)

Batch :	CSI	the second s		*
Date : )	2/04/2022		T	ime: 09.00 AM
Sr.No.	Roll No.	Answer Book No.	Name of Student	Sign.of.Students
1		U0136006	Addtya.s. Basunde	Basunde.
2		U0136008	Allib. P. Pathan	A. P. Pathem
3		-00136009	Albary J. chose	( bhause
.4		10136040	Manish N. Dhugve	M.N. Dh Prove
5		U0136011	samyak s. Niswade	88 Mideda
. 6		10136012	Shrikant B. Ujjankar	5-BUSSainkar
7		U0136013	Shubham D. Yuuronoite	Por woncele
8		UO1360 14	Siddhart D. Khandokaro	V
9		UO136015	SudoeshanT. Laude	i Oko
10		EJ01360 16	Tushar . S. Davidale	

Prof. V.S. Kevte INTERNAL EXAMINER -DATE: 12/06/2022

DR. A. B. KUKADE Co-ordinato:

Deuls

Poof. M.A. Deulkor EXTERNAL EXAMINER DATE : 1210612022

Principal

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

#### Arts and Commerce College, Jarud Tq.Warud Dist.Amravati SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI. PRACTICAL EXAMINATION SUMMER- 2022 B.Sc.Part- I Chemistry (Semester II)

Batch :	CI			7
Date :	2/06/2022		Т	ime: 09.00 AM
Sr.No.	Roll No.	Answer Book No.	Name of Student	Sign.of.Students
1		0136002	Ashish R. Mankar	Austanker,
2		0136003	Harsh V. Deorale	H.V. Deopale,
3		0136004	Sakshi N. Surjuse	susiniuse
4.		0136005	shreyq S. Bijawe	
5.		0136007	shraddha N. Chaudhri	Shall have
6.			Manish Porteti-	- Abcoml
7.		0136030	Mayur Mirkute	Ditkule.
8.			mona wike -	- Alcont-
g.		0136029	Suray lad	Blue
10			Tejas Sawwalakhe	- About -
		/		
	-	. ~		

Presul- - 03 Ab - 03 TON 10

INTERNAL EXAMINER DATE: 12/06/2022

DATE : 200

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

ADE DR. Co-ordinator, IOAC Arts & Commerce College, Jarud

### Arts and Commerce College, Jarud Tq.Warud Dist.Amravati SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI. PRACTICAL EXAMINATION SUMMER- 2022 B.Sc.Part-1 Zoology (Semester II)

Attendent sheet

Sr.No.	Roll No.	Answer Book No.	Name of Student	Sign.of.Students
1	2148112986	013603)	sheaddha N. chaudhadi	Rhauchasi
2	21 AB 112977	0 136032	Hansh .V. Deonale	H.V. Deopale.
3	21 AB112993	0136033	Gerray. B. Level	Blevel
4	21 AB112983	0136034	Mayur Mirkute	Mgruele,
5	21 48 11298 1		Tejos sawwalathe	
6 '	21 AB11 2984	6136035	saleshint-sinjuse	Surjust
7	21 AB 112987	0136035	Shbeyg S. Bijawe	Silto.

Total no. of student - 07 Total present - 06 Total Absent - 01

INTERNAL EXAMINER DATE : 13 06 2022

55 e

ill EXTERNAL EXAMINER DATE: 13/6/2022

-

Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

DR: NKADE Co-ordinator, IQAG Arts & Commerce College, Jarud

#### Arts and Commerce College, Jarud Tq.Warud Dist.Amravati SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI. PRACTICAL EXAMINATION SUMMER- 2022 B.Sc.Part- I Botany (Semester II)

Batch : Date :	: B I / /2022		Т	ime: 11.30 AM 000
Sr.No.		Answer Book No.	Name of Student	Sign of Students
17		0136038	Shraddha Chaudhi	0 11
27	*	0136039	Harsh V. Deorale	H.V. Deoricye
3>		0136040	Shreya 3. Bijave	
4)		0136041	Sakshi N. Suriuse	
5)		-	Suraj B. Lad	-ABSENT-
67		-	Mayur V. Mirkate	-ABSENT-
77			Tejas Sawalakhe.	-ABSENT-

Poof. R. S. Wankhade. KD. INTERNAL EXAMINER DATE: 13/06/2022

EXTÉRNAL EXAMINER DATE : 13 06/22

KADE DR nator, IGAC Arts & Commerce College Jarta

Principal

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

Arts and Commerce College, Jarud Tq.Warud Dist.Amravati SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI. PRACTICAL EXAMINATION SUMMER- 2022 B.Sc.Part- I Electronics (Semester II)

				f
Batch :	EI			
Date 3	1/06/2022			ime: 09.00 AM
Sr.No.	Roll No.	Answer Book No.	Name of Student	Sign.of.Students
1		0136001	Prajual Sistenda	101 P.S. Sundade
1				, , , , , , , , , , , , , , , , , , , ,
		$\langle$		1

INTERNAL EXAMINER DATE : 11/06/2022

EXTERNAL EXAMINER

DATE: 11/06/2022

Principal

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

KADE DR. A. Co-ordinato IQAC Arts & Commerce College, Jarud

Shri Shivaj	Education	Society,	Amarvati's
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Sant Gadge Baba Amravati University, Amaravati

Arts And Commerce College, Jarud

Practical Examination Winter-2022

Center Code :- 137 Class :- B.Sc. Part :- I ( Sem :- I) Subject :- Computer Science

ttendent Sheet
----------------

Sr. No.	Roll Number	Name Of Students	Answer Book No.	Sing Of Students
1	22AB113016	PAYAL NARENDRA SONONE	V0854507	Banape
2	22AB113017	PRITAM MOHANRAO FULEKAR	V0854503	Ethelekaz.
3	22AB113020	TAUFIK MEHABUB SHAHA	V085450 4	THE
4	22AB113021	VAIBHAV GANPATRAO INGALE	V0854505	Variale
5	22AB113022	VEDANT MOHANRAO CHAUDHARI	NO 854506	Jals

Bewak. Prof. V. S. Kevte Internal Examiner Date :- 19/01/2022

I double K.V. Deshmulch

**External Examiner** Date :- 19/01/2022

Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

DR. A F Co-ordinator,

IQAC Arts & Commerce College, Jarud

A

# Sant Gadge Baba Amravati University, Amaravati

## Arts And Commerce College, Jarud

# Practical Examination Winter-2022

Center Code :- 137 Class :- B.Sc. Part :- I ( Sem :- I) Subject :- Physics

#### **Attendent Sheet**

Sr. No.	Roll Number	Name Of Students	Answer Book No.	Sign Of Students
1	22AB113013	ADITYA ANILRAO SAWAI	0854524	A:A Sawal
2	22AB113016	PAYAL NARENDRA SONONE	0854525	Bashe
3	22AB113017	PRITAM MOHANRAO FULEKAR	0854526	2 Rilekoz.
4	22AB113020	TAUFIK MEHABUB SHAHA	0854527	- Ing
5	22AB113021	VAIBHAV GANPATRAO INGALE	0854528	(1) the
6	22AB113022	VEDANT MOHANRAO CHAUDHARI	0851529	and

ernal Examiner

Externa

DR. A. B KUKADE Co-ordinator, IQAC Arts & Commerce College, Jarue

Principal

Sant Gadge Baba Amravati University, Amaravati

Arts And Commerce College, Jarud

**Practical Examination Winter-2022** 

Center Code :- 137 Class :- B.Sc. Part :- I (Sem :- I) Subject :- Electronics

Attendent Sheet

Sr. No.	Roll Number	Name Of Students	Answer Book No.	Sign Of Students
1	22AB113013	ADITYA ANILRAO SAWAI	2854501	A-A-Sawai .
-			-	

Internal Examiner Date :- 19/01/2022

Se

External Examiner Date :- 19/01/2022

DR. A. B. KUKADF Co-ordinator, IQAC Arts & Commerce College, Jaruo

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

S.

### S.G.B.Amravati University, Amravati Arts And Commerce College, Jarud Practical Examination- Winter 2022

#### Class:-B.Sc. Part I Sem-I

	Date: 23/01 /2023 Subject: Chemistry Time:07.00 To 11.00						
Sr. No.	Roll No.	Name of Student	Answer Book No.	Signature			
1	22AB113012	ADIL AHEMAD SIDDIQUE AHEMAD SAUDAGAR	0854557	Alt			
2	22AB113014	AYESHA GHAZAL MUZAMMIL AHMAD		Absent			
3	22AB113015	DIPSHIKHA DILIP DANDALE	1929 C	Absent			
4	22AB113018	RAHIL AHEMAD SIDDIQUE AHEMAD SAUDAGAR	0 8 5 4 5 58	Osthol			
5	22AB113019	SWAPNALI SHESHRAO DHOLE	0854559	s Dhole			

3311112023 **External Examiner** 

the state

23/01/2023

Internal Examiner

DR. A. B. KOKADE Co-ordinator TOAC Commencer Formera

.... onraji Loucation Society, Amarvati s

Sant Gadge Baba Amravati University, Amaravati

Arts And Commerce College, Jarud

**Practical Examination Winter-2022** 

Center Code :- 137 Class :- B.Sc. Part :- I ( Sem :- I) Subject :- Zoology

**Attendent Sheet** 

Sr. No.	Roll Number	Name Of Students	Answer Book No.	Sing Of Students
1	22AB113012	ADIL AHEMAD SIDDIQUE AHEMAD SAUDAGAR	6854548	Ante
2	22AB113014	AYESHA GHAZAL MUZAMMIL AHMAD	- Abseut -	
3	22AB113015	DIPSHIKHA DILIP DANDALE	Abseu	ŧ
4	22AB113018	RAHIL AHEMAD SIDDIQUE AHEMAD SAUDAGAR	0854543	Brither
5	22AB113019	SWAPNALI SHESHRAO DHOLE	0854555	Spade

**Internal Examiner** 

23 **External Examiner** 

DR. A. B. KUKADE Co-ordinator, IQAC Arts & Commerce College, Jarud

R.

Principal

Arts & Commerce College Jarud, Ta. Warud, Dist. Aniravati

Sant Gadge Baba Amravati University, Amaravati

Arts And Commerce College, Jarud

**Practical Examination Winter-2022** 

Center Code :- 137 Class :- B.Sc. Part :- I (Sem :- I) Subject :- Botany

Attend	lent	Sheet	Ł
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Sr. No.	Roll Number	Name Of Students	Answer Book No.	Sing Of Students
1	22AB113012	ADIL AHEMAD SIDDIQUE AHEMAD SAUDAGAR	0854508	asite
2	22AB113014	AYESHA GHAZAL MUZAMMIL AHMAD	Absent	· -
3	22AB113015	DIPSHIKHA DILIP DANDALE	Absent	
4	22AB113018	RAHIL AHEMAD SIDDIQUE AHEMAD SAUDAGAR	0854509	(Combaned)
5	22AB113019	SWAPNALI SHESHRAO DHOLE	0854556	Sphale

**Internal Examiner** Date :- 24/01/2022

17/23

-

External Examiner Date :- 24/01/2022

DR. A ADE Co-ordinator, IQAC 35 & Commerce College, Jarud

Principal

## Sant Gadge Baba Amravati University, Amaravati

Arts And Commerce College, Jarud

Practical Examination Summer-2023

Center Code :- 137 Class :- B.Sc. Part :- I (Sem :- II) Subject :- Computer Science

**Attendent Sheet** 

Sr. No.	Roll Number	Name Of Students	Answer Book No.	Sing Of Students
		PAYAL NARENDRA SONONE	V0854608	Conone
2	22AB113017	PRITAM MOHANRAO FULEKAR	V0854609	Auklon.
3	22AB113020	TAUFIK MEHABUB SHAHA	V0854610	-103
4	22AB113021	VAIBHAV GANPATRAO INGALE	V0854611	arges
5	22AB113022	VEDANT MOHANRAO	V0854612	v.m.chur.

N.S. Kerrte Internal Examiner 0310512023

ARostmutch K. V. Deshmutch External Examiner 03/05/2023

N DR. A. B. NUKADE Co-ordinator, IQAC Arts & Commerce College, Jarud

Set.

Principal

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

# Sant Gadge Baba Amravati University, Amaravati

# Arts And Commerce College, Jarud

Practical Examination Summer-2023

37 Class :- B.Sc. Part :- II ( Sem :- IV) Subject :- Computer Science

Center Code :- 137 Class :- B.

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		Attendent	Answer Book No.	Sign Of Students
Sr. No.	Roll Number	Name Of Students		ABasende
Statement of the local division of the local	21AB112973	Aditya Santosh Basunde	V0854613	Name of Concession of Concessi
and the second		Akib Pirukhan Pathan	N0854614	A .P. Rufin
2	21AB112974		V0854615	M.N. Puus
3	21AB112980	I VIGINISTI FIGHT	and the second distance of the second distanc	cent A
	21AB112985	Samyak Sudhakarrao Niswade	V0854616	Stratez
4		Shrikant Bhaurao Ujjaainkar	V0854617	3.BUJjainkas
5	21AB112988			General
6	21AB112989	Shubham Omprakash Yuwanate	V0854618	Treations

V.S.KEVE 0510312023

External Examiner 05/05/2023

DR. A. B. KUK DE IQAC Arts & Commerce College, Jarud

K.

Principal

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

# S.G.B.Amravati University, Amravati Arts And Commerce College, Jarud Practical Examination- Summer 2023

Class:-B.Sc. Part I Sem-II

	Date: 09 /05	2023 Subject: Chemistry	Time: OTAm To 11. Am.		
Sr. No.	Roll No.	Name of Student	Answer Book No.	Signature	
1	22AB113012	ADIL AHEMAD SIDDIQUE AHEMAD SAUDAGAR	0854573	Palipe	
2	22AB113018	RAHIL AHEMAD SIDDIQUE AHEMAD SAUDAGAR	0854574	CAlmer	

xternal Examiner

09/05/202 Internal Exami:

DR. A. B. KU KADE Co-ordinator, IQAC Arts & Commerce College, Jarue

Principal

S.G.B.Amravati University, Amravati Arts And Commerce College, Jarud Practical Examination- Summer 2023

Class:-B.Sc. Part II Sem-IV

Dat	e: 9/05/2023	Subject: Chemistry	Time: 11.3 0 To 5.3	OPM
Sr. No.	Roll No.	Name of Student	Answer Book No.	Signature
1	21AB112975	Ashish Ravindrarao Mankar	0854575	Annter
2	21AB112977	HARSH VILAS DEORALE	0854576	H.V. Deonalc
3	21AB112984	SAKSHI NANDU SURJUSE	0854577	Salsurjuse
4	21AB112986	SHRADDHA NANDKISHOR CHAUDHARI	0854578	Dauchare
5	21AB112987	SHREYA SUBHASHRAO BIJAWE	0854579	कार्याया
6	21AB112994	TEJAS WAMANRAO SAWWALAKHE	0854580	Defer skew bake

External Examiner

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--- & Commerce College Warrid Dist. Amravati

DR. A KUKADE Co-ordinator, IQAC Arts & Commerce Conege Janue



Sant Gadge Baba Amravati University, Amaravati

Arts And Commerce College, Jarud

Practical Examination Winter-2022 - 23

Center Code :- 137 Class :- B.Sc. Part :- II ( Sem :- III) Subject :- Botany

**Attendent Sheet** 

Sr. No.	Roll Number	Name Of Students	Answer Book No.	Sign Of Students
1		HARSH VILAS DEORALE	0854510	H.V. Deopale
2	21AB112984	SAKSHI NANDU SURJUSE	0854511	carjuse
3	21AB112986	SHRADDHA NANDKISHOR	0854512	Andraed
4	21AB112987	SHREYA SUBHASHRAO	0854512	Affans
5	21AB112994	TEJAS WAMANRAO SAWWALAKHE	0854514	Bex

Internal Examiner Date :- 19/01/2022

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External Examiner Date :- 19/01/2022

DR. A. B. KUKADE Co-ordinator, IQAC Arts & Commerce College, Jarud

Principal Arts & Commerce College

Jarud, Ta. Warud, Dist. Amravati

1

#### Sant Gadge Baba Amravati University, Amaravati

#### Arts And Commerce College, Jarud

Practical Examination Winter-2022

Center Code :- 137 Class :- B.Sc. Part :- II (Sem :- III) Subject :- Computer Science

**Attendent Sheet** 

Sr. No.	Roll Number	Name Of Students	Answer Book No.	Sign Of Students
1	21AB112973	Aditya Santosh Basunde	0854540	Prasunde
2	21AB112974	Akib Pirukhan Pathan	0854541	A.P. Ruthan
3	21AB112976	Athary Jitendra Chore	0854542	abour.
4	21AB112980	Manish Nanu Dhurve	• <b>8</b> \$ <b>1</b> \$ <b>1</b> 3	M.N. Tures
5	21AB112985	Samyak Sudhakarrao Niswade	0854544	Strisday
6	21AB112988	Shrikant Bhaurao Ujjaainkar	0854545	5-B-Wiainhar
7	21AB112989	Shubham Omprakash Yuwanate	0854546	Synwanate
8	21AB112995	Tushar Shrikrushna Dandale	0854547	fitz

touck . Prof. V. S. kerte 19/01/2023

Prof. K. V. Deshrowkh External Examiner 19/01/2023

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DR. A. B. KUKADE IQAC Arts & Commerce College, Jaruo

Sant Gadge Baba Amravati University, Amaravati

Arts And Commerce College, Jarud

Practical Examination Winter-2022

Center Code :- 137 Class :- B.Sc. Part :- II (Sem :- III) Subject :- Zoology

**Attendent Sheet** 

Sr. No.	Roll Number	Name Of Students	Answer Book No.	Sign Of Students
1	21AB112977	HARSH VILAS DEORALE	0854553	HV. Deopole
2	21AB112984	SAKSHI NANDU SURJUSE	0854550	Sinjuse
3	21AB112986	SHRADDHA NANDKISHOR CHAUDHARI	0854552	Sheurthari
4	21AB112987	SHREYA SUBHASHRAO BIJAWE	0854551	Allans
5	21AB112994	TEJAS WAMANRAO SAWWALAKHE	0854554	Oth

**Internal Examiner** 

**External Examiner** 

Principal ~

Arts & Commerce College Janud, Ta. Warud, Dist. Amravati

KUKADE DR. A. Co-ordinator, IQAC Arts & Commerce College Jarun

hi

S.G.B.Amravati University, Amravati Arts And Commerce College, Jarud Practical Examination- Winter 2022

#### Class:-B.Sc. Part II Sem-III

Date	e: 23/01 /2023	Subject: Chemistry 7	ime:11.00 To 05.00	
Sr. No.	Roll No.	Name of Student	Answer Book No.	Signature
1	21AB112975	Ashish Ravindrarao Mankar	0854560	Antonkan
2	21AB112977	HARSH VILAS DEORALE	0854561	H.V. Drorall.
3	21AB112984	SAKSHI NANDU SURJUSE	0854562	Surjuse
4	21AB112986	SHRADDHA NANDKISHOR CHAUDHARI	0854563	Theudhard
5	21AB112987	SHREYA SUBHASHRAO BIJAWE	0854564	Stan
6	21AB112994	TEJAS WAMANRAO SAWWALAKHE	0854565	Jefer .

23/01/2023 Internal Examiner

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External Examiner

B. KUKADE DR. A. Co-ordinator, IQÁC Arts & Commerce College, Jarud

Principal

S.

Sant Gadge Baba Amravati University, Amaravati

Arts And Commerce College, Jarud

Practical Examination Winter-2022

Center Code :- 137 Class :- B.Sc. Part :- II ( Sem :- III) Subject :- Electronics

**Attendance Sheet** 

DATE:1	9/01/2023		TIME:12	:00 TO 4:00 P.M.
Sr. No.	Roll Number	Name Of Students	Answer Book No.	Sign Of Students
1	21AB112983	PRAJWAL SUDHAKARRAO SHENDARKAR	0854502	P.S. stendaler

Ellet

Internal Examiner Date :- 19/01/2022

External Examiner Date :- 19/01/2022

DR. A KADE Co-ordinat IOAC Arts & Commerce College, Jar

Principal

Arts & Commerce College Jarud, Ta. V

A. A.

#### Sant Gadge Baba Amravati University, Amaravati

#### Arts And Commerce College, Jarud

#### Practical Examination Winter-2022

#### Center Code :- 137

Class :- B.Sc. Part :- II (Sem :- III) Subject :- Physics Attendent Sheet

Sr. No.	Roll Number	Name Of Students	Answer Book No.	Sign Of Students
1	21AB112973	Aditya Santosh Basunde	0854539	OBusunde
2	21AB112974	Akib Pirukhan Pathan	0854530	A.P. Pathien
3	21AB112975	Ashish Ravindrarao Mankar	0854531	Agnantian
4	21AB112976	Athary Jitendra Chore	0854538	Mouse
5	21AB112980	Manish Nanu Dhurve	0854532	M.N. Ture
6	21AB112983	Prajwal Sudhakarrao Shendarkar	0854533	P.S. Stendar
7	21AB112985	Samyak Sudhakarrao Niswade	0854534	SSNiesd.
8	21AB112988	Shrikant Bhaurao Ujjaainkar	0854535	S. B. Usianh Kars
9	21AB112989	Shubham Omprakash Yuwanate	0854636	Quante
10	21AB112995	Tushar Shrikrushna Dandale	0851537	lito

Internal Examiner

22/01/23 Extern aminer

NUKADE DR. Β. A. Co-ordinator. IQAC Arts & Commerce Collet

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

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-51	Shrilku. Shrikant Bhau	rao Ujjainkanter	15
彩	Roll No. 24 AB112988 Studying	in the year <u>2022-23</u>	米
*	of this Institute has completed Practic	cal Course based on the syllabus and	*
う ※	given satisfactory account of it in th	is Book containing a record of the	C M
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E	Date	Grade	Su
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er Pc. Rs.	Examiner's Signature	Professor In-charge Signature	*
M.R.P. Per	Principal Principal Signature, Dist. Amravati	Institution Stamp	*
	Packet 10 Pc. Mig. Date January 2022	い ※ Vinni	

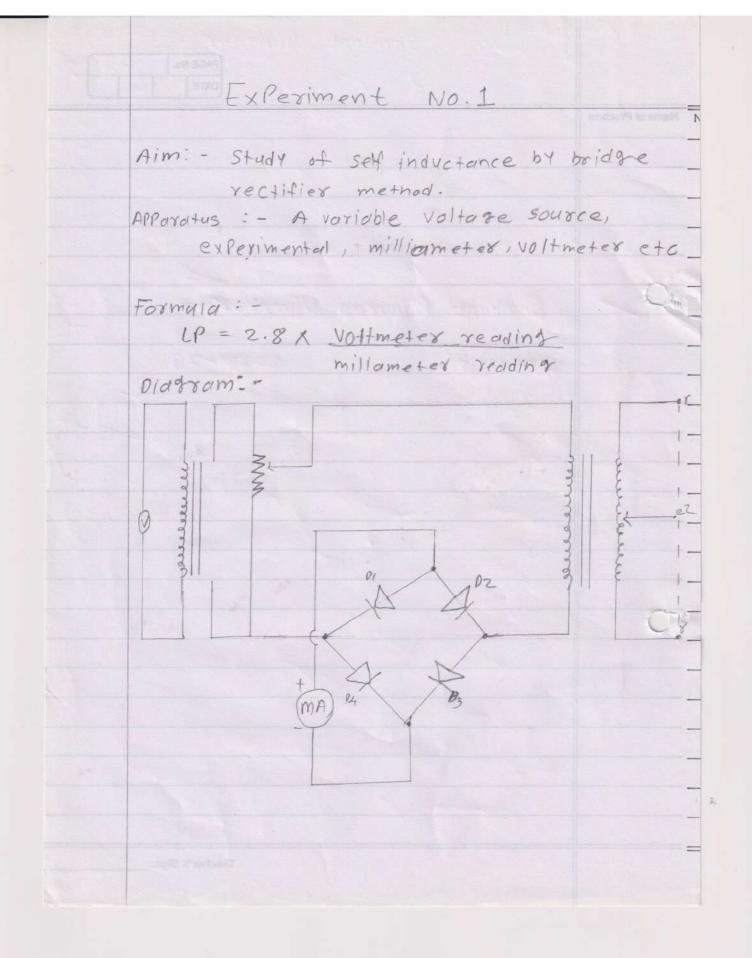
• INDEX •						
S.NO.	NAME OF EXPERIMENT	DATE	PAGE	REMA	RKS	
	and all the set of the	3-3-61	1000 1000		16	
01-	study of self-inductor		1		1 100	
8	by byidge rectifier				1748	
	method				15	
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02-	To determine Prequency		6		0	
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PAGE No. ExPeriment NO-1 DATE \$ Name of Practical Aim: - Study of self-inductance by bridge rectifier method. Apparatus: - A variable voltage source, experimental transformer. bridge rectifier (four diodes). milimeter, voltmeter etc. Formula :. LP = 2.8 X Nottmeter reading miligmeter reading Procedure: Adjust the voltage so that milliameter Pointer is deflected up to half the scale. Let the reading be IA measure the voltage across the Primary. Let the Voltage be C1. repeat this for at least five current volves in the primary. ñ. Teacher's Sign.:

ans a Exleriment No. 1 Observation table ... Aim: - Study of self - inductorie by midde ACQUAWALUE LP = 2.8 VOC mean SN corrent voltage peviation mean of LPm+)-JINMA LP DLP DLP (ac) Volt (MA) 0.63 0.366 0.119 1, 2MA 0.998 0.086 1.07 Z 3MA 3 4 MA 1.51 1.057 0.028 0.00029 1.08519 1.085 4 5MA 1.94 1-086 -1 × 10-3 5 6MA 1.106 MH 2.37 -0.021 1.14 6 ZMA 2.85 - 0.0665 3.29 1.1515 7-8 MA 8 9 MA 3.78 1-176 -0.091 tor calculation is and tought involved of a blp = 2.8 × voltmeter reading Saillope and to milid meters reading 176P= 28 × 0.69 1 130 across the Primary . Let the voltage to al 10 7 0.966 900 10 00 five corrent volves in the minuary 272P= 28 ×1.07 - 0.998

		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$						
Name of Practical	02	serva	tion .	Table :	-	19.5 ×	85-	NTE
	50	Current	voltage	LP = 2.8 400	mean	Destution	Mean	Actual volue
-		(MA)	(ac) volt	I in me	LP	DLP	ALP	oflommt
	1	2MA	0.69	0.966	4	0-119	5 - 5	2 (1) -
2	2	3MA	1-07	0-998		0.086		
The set	3	4 MA	1.51			and the second se		2-08519
	4	5 MA	1-94	1-086	1.085	-1×10-3	0.00019	mH
	5	6 mA	2.37	1.106	SE	-0.021	1.29	52 6
	6	7mp	2-85	1-14		- 0.055		
	7	8 mA	3.29	1-1515		- 0. 0665	-	
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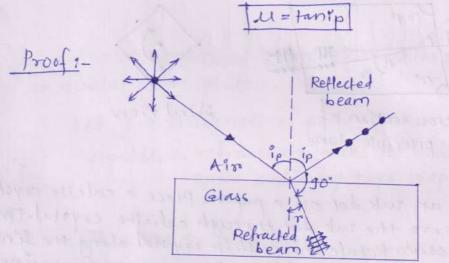


# ARTS AND COMMERCE COLLAGE, JARUD

Name i- Ashish Ravindrarao Mankan Subject: - Physics Class: - B.Sc. (4th sem) Year: - 2022/23 Subject Teacher: Miss. Monumi Darokar.

# Q.1% State and Explain Brewster's law?

<u>Statement</u>:- It states that when light is incident on a transporent surface at a polarising angle, then tangent of polarizing angle is numerically equal to the refractive index of the medium.



When light is incident at a polarising angle ip, then reflected and refracted beam are perpendicular to each other. From figure, Lin+90+ Ln=180°

 $Lip + 90^{\circ} + Lr = 180^{\circ}$  $Lr = 180^{\circ} - 30^{\circ} - Lip$  $r = 90^{\circ} - Lip$ 

Foorn Gnell's law,

$$u = \frac{Sinip}{Sinos}$$

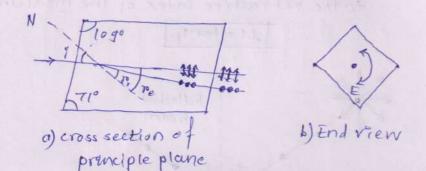
$$= \frac{Sinip}{Sin(qo^2 - ip)}$$

$$= \frac{Sinip}{Casip}$$

$$\int u = tanip$$

# G.2> Explain double refraction phenomenon.

The phenomenon in which we get two refracted images corresponding to a single object is known as double refraction.



Mark an ruk dot on a paper. Place a calcite crystal on it. observe the ruk dot through calicite crystal. Two images are seen. Rotate the calicite crystal along the line of sight. It is observed that one of the image o remains stationary known as ordinary image while another image E rotates around is known as extra-ordinary image.

When unpoldrized light is incident on a calicite crystal, it splits up into two refracted rays. One of the refracted rays obeys the ordinary laws of refraction known as ordinary rays. The other refracted rays does not obey the ordinary laws of refraction known as extra-ordinary ray.

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		Las lisemings	Page No. : Date :	
	S.N.	Name of the Experiment	Date	Remark
	17	study of self-inductance by bridge rectifier method.		And
32	afe	To determine frequency of al mains by sonometer.		
	3>	To determine dispersive power of prism.		
	44	To determine resolving power of telescope.		
h.c.	\$	Determination of warelength of leave light.		
				3.

Experiment No.1

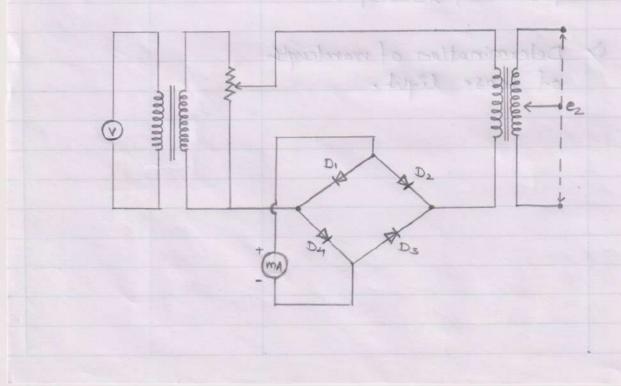
<u>Aim</u>:- study of self-inductance by bridge rectifier method.

Apparatus: - A variable voltage source, experimental transformer, bridge rectifier (four diade, miliameter, voltmeter, etc.

Formula:-

Lp = 2.8 × Voitmeter reading miliameter reading

Diagram :-



Witten Page No. : Date : Experiment-2 Aim: - To determine frequency of al mains by sonometer Apparatus: - sonometer with bridge, hanger, weight (sogm). magnet pair, step-down transformer, meter scale etc. Formula:-E. n= Tx + 12 400 Where, n> frequency of AC mains [> Tension (= mg = mass attached x g) g = 980 mals2 L> length of sonometer wire m> mass per unit length of sonoroneter wire (= 0.032 gm/em) Procedure: -1/ Arrange the sonometer so that the wire is under tension by applying soogens hanger. the keep magnets at so cm from one end of wire By Make connections as shown in figure. Adjust the position of two bridges of sonometer, measure the length of sonometer wire betth the bridges. Repeat this two times. A Note the tension.

Experimen-2

#### observation :-

mp.071	SY.	Mass suspended Mgms	Tension T=Mg	Res	Meam		
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	2	soogens	490000	47	44.5	44	45.16
	24	STO gms	539000	48.8	47.5	46.1	47-46
	3)	600 gms	588000	SD	49.7	48.3	49.3
	4>	650 gms	637000	51-3	49.6	50.2	50.36
	9	Toogme	686000	52	52.7	52.2	52.2

( a x barbarlia como a pression et a)

calculation: -

at only only

 $n = \sqrt{\frac{T}{L^2} \times \frac{1}{4m}}$ 

1) T=49000 , L=45.16 , /4100=12.5

 $M = \sqrt{\frac{490000}{(45.16)^2} \times 12.5}$ Procedorre --> ATTRUME 41.6 = \ 49000 × 1205

The position of two bridges of senoraters measure the teggth of senoration wire bet the hidges. Repeat

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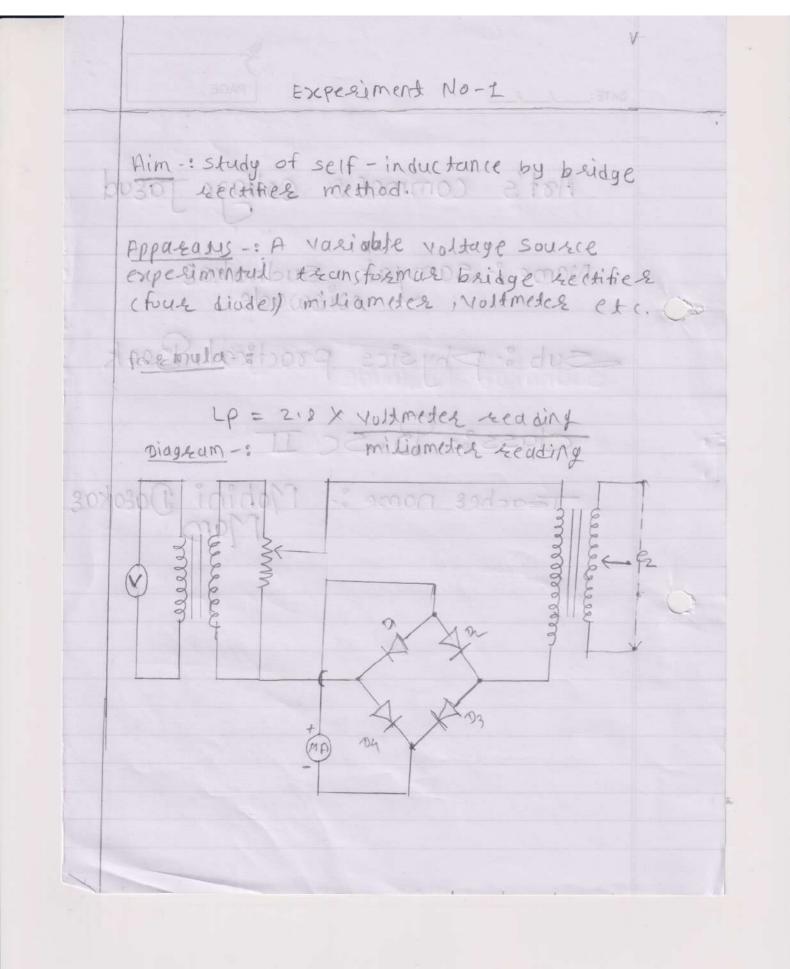


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17.	51569	ku. Yogita Manotrao Bonwan		-			5	-		_		_	-															05	05
18.	51567	ku. Tejaswini Ashoknao Nenkan		-	-	-	5							-	_													05	05
19.	51526	ku. Ashwini Dnyaneshwar kurwad	-	-	-	-	5		_		-		2		-			-	1									05	05
20.	51532	ku Divya Vishanuji Mankan		-		-	5				-																	05	05
21.	51516	ku Kanchan Mahendra Rajas		-	-	-	5				-	-	-	-											_			05	05
22.	51514	Kushmitika Pradip Anasane		-	-		5		_	-	1.1.1	-																P5	05
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1.	80092	ku. Puja Prabhakar chadhokas		1	-	-	5	Ĩ	7	+	Ť	*	a w	-		2	4.00	12	-	-		-		-	2.00	-		u +	06	06
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	74116	Kartik Sadish Gayakwad.	-	-	-	-	5	1	-		1			_	-	-+	-		-	-		-	-					06	
	74124	Pawan Kewaham Bhuzade		-	-	-	5	1	+		-	-	-		-	-	-	-	_	-	-		-					06	
14	74106	Chandrasing Ramsing Bais	-	-	+	-	5	1			+				-	-+	+	-+	-	-	-	-	-	-		-		00	
5	74144	Tushar Ashokrap Ghorpade		-	-	-	5		-		1		_		-	+	+	-	-	-	-		-					06	
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4	74133	Rosham Gopal Suzyuse	-	-	F	+	5	1	-		1				-	-	-	-		-	-	-				-		10	
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11	74126	Pranali Sudhakarroo Gayakean	1	-		-	5	1	-		-	-	-	-	+	-	-	-		-				-		-		06	
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N.S.S.<br/>only one of<br/>a b.c.<br/>be filled in<br/>3         Inte<br/>a b.c.<br/>be filled in<br/>3         Inte<br/>a b.c.<br/>be filled in<br/>3         Inte<br/>a b.c.<br/>be filled in<br/>3           74.114         kamlesin shestureno Rault         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -</td><td>2         3         4         5           Roil No.         Name of the Students<br/>(Sumame first)         N.C.C.         N.S.S.<br/>only one of<br/>a.b.c.<br/>be filled in<br/>a.b.c.<br/>be filled in<br/>a.b.c.</td><td>2         3         4         5           Roil No.         Name of the Students<br/>(Sumame first)         N.C.C.         N.S.S.<br/>only one of<br/>be filled in<br/>a         Inter Collegiat<br/>a           a         b         c         d         a         b         c         a           y         b         c         d         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a</td><td>2         3         4         5           Roil No.         Name of the Students<br/>(Surname first)         N.C.C.         N.S.S.<br/>only one of<br/>be filled in<br/>a         N.S.S.<br/>only one of<br/>be filled in<br/>a         Inter Collegiate<br/>a1         Inter Collegiate<br/>a2         a           74 II-6         kamlesin skestureno<br/>14127         Rarshamt Banchum Shirssonn         -         -         -         4         -         -         -         4         -         -         -         4         -         -         -         4         -         -         -         -         4         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         &lt;</td><td>2         3         4         5         6           Roit No.         Name of the Students<br/>(Sumame first)         N.C.C.         N.S.S.<br/>only one of<br/>a.b.c.<br/>be filled in         Inter Collegiate<br/>a 1         In</td><td>2         3         4         5         6           Roll No.         Name of the Students<br/>(Sumame first)         N.C.C.         NS.S.<br/>only one of<br/>a b         Cames and Stort<br/>Kubblack           a         b         c         o         o         o         a 1         a 2         a 1           a         b         c         o         o         o         o         o         a 1         a 2         a 1           a         b         c         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o<!--</td--><td>2         3         4         5         6           Roll No.         Name of the Students<br/>(Sumame first)         N.C.C.         N.S.C.<br/>be filled in<br/>a b         Inter Collegiate<br/>a 1         Inter Collegiate</td><td>2         3         4         5         6           Roll No.         Name of the Students<br/>(Sumame first)         N.C.         N.S.S.<br/>be filled         Sames and Sport<br/>a.b.c.<br/>be filled         Inter Collegial<br/>a1         Inter Collegial<br/>a2         Inter Collegial<br/>a2         Inter Collegial<br/>a1         Inter Collegial<br/>a1</td><td>2         3         4         5         6           Roll No.         Name of the Students<br/>(Sumane first)         N.C.C.<br/>be filled in<br/>a b         NS.S.<br/>only one of<br/>a.b.c.<br/>be filled in<br/>a b         Collegiat<br/>a 1         Inter University<br/>a 2         Inter<br/>versity<br/>a 2           74116         Komlesh Stepteraro<br/>Parishent fenctum Shirssom         a         b         c         o         a         b         c         o         a         b         e         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a</td><td>2         3         4         5         6         7           Rol No.         Name of the Students<br/>(Sumane first)         N.C.C.         N.S.S.<br/>only one of<br/>a.b.c.<br/>be filled in         Other one<br/>a.b.c.<br/>be filled in         Inter University<br/>a1         Inter University<br/>a2         Inter University<br/>a1         Inter<br/>a2         Inter University<br/>a1         Inter<br/>a1         Inter University<br/>a2         Inter University<br/>a1         Inter<br/>a1         Inter<br/>a1         Inter University<br/>a1         Inter<br/>a1         Inter University<br/>a1         Inter<br/>a1         Inter<br/>a1         Inter University<br/>a1         Inter<br/>a1         Inter<br/>a1         Inter<br/>a1         Inter<br/>a1         Inter University<br/>a1         Inter<br/>a1         Inter<br/>a1</td><td>2         3         4         5         6         7           Roll No.         Name of the Students<br/>(Sumame first)         N.C.C.         N.S.S.<br/>only one of<br/>a.b.c.<br/>b         Inter Collegiate<br/>(a) b.c.<br/>b         Inter Collegiate<br/>(b) (b) (b) (b) (b) (b) (b) (b) (b) (b)</td><td>2         3         4         5         6         7           Roi No.         Name of the Students<br/>(Sumame first)         N.C.C.         N.S.S.<br/>only one of<br/>a b.c.<br/>briter Collegiate<br/>a b.c.<br/>briter Collegiate<br/>briter Collegiate<br/>a b.c.<br/>briter Collegiate<br/>briter Collegiate<br/>br</td><td>2     3     4     5     6     7     8       Rol No.       Name of the Students<br/>(Summe final)       a     b     c     a     b     c     a     b     c     a     b     c     b     c     b     c     b     c     b     c     b     c     b     c     c     c     b     c     c     c     b     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     <t< td=""><td>2     3     4     5     6     7     8       Rol No.     Name of the Students<br/>(Sumane final)     N.C.C.     N.S.S.<br/>only one of<br/>able on<br/>billine in<br/>billine in<br/>billine in<br/>able of<br/>billine in<br/>able of<br/>bil</td><td>2     3     4     5     6     7     8     9       Rol No.     Name of the Saudents<br/>(Sumare first)     N.C.C.     N.S.S.<br/>only one of<br/>billionic     Inter Collegial<br/>inter Collegial<br/>billionic     Inter Collegial<br/>inter Collegial<br/>billionic     Inter Collegial<br/>inter Collegial<br/>billionic     Blocd<br/>inter Collegial<br/>billionic     Blocd<br/>inter Collegial<br/>billionic     Blocd<br/>inter Collegial<br/>billionic     Inter Collegial<br/>billionic     Inter Collegial<br/>billionic     Blocd<br/>inter Collegial<br/>billionic</td></t<><td>2         3         4         5         6         7         8         9           Roll No.         Name of the Students<br/>(Sumame frail)         N.C.C.         N.S.C.<br/>be filled in         Inter Collegiate<br/>at a set of the Students<br/>(Sumame frail)         Block Collegiate<br/>(Inter Collegiate<br/>at a set of the Students)         Block Collegiate<br/>(Inter Collegiate<br/>(Inter</td><td>2         3         4         5         6         7         8         9         10           Rol No.         Name of the Students<br/>(Sumare first)         N.C.         N.S.S.<br/>only one of<br/>a b.C.         Cames and Sort<br/>(be filled in<br/>ab.C.         Inter Collegiate<br/>(be filled in<br/>ab.C.         Inter Collegiate</td><td>2     3     4     5     6     7     8     9     10     11       Rot No.       Name of the Statents<br/>(Summe first)     N.C.     NS.S.<br/>only one of<br/>the filled in<br/>the fill</td></td></td></t<></td></td<> | 2 3 4 Roll No. Name of the Students (Surname first) | 2     3     4       Roll No.     Name of the Students<br>(Sumame first)     N.C.C.     N.C.C.       a     b     c     d     a       b     c     d     d     a       74 II4     kamlesh skesurao Rault     -     -     -       7     1     1 | 2     3     4     5       Roll No.     Name of the Students<br>(Sumame first)     N.C.C.     N.S.S.<br>only one<br>abc.<br>be filled i       a     b     c     d     a     b       y     u     u     u     u     u     u       74 II4     kamlesin Skesturneo Raudt     -     -     -     -       74 II4     kamlesin Skesturneo Raudt     -     -     -     -       74 II4     kamlesin Skesturneo Raudt     -     -     -     -       74 II4     kamlesin Skesturneo Raudt     -     -     -     -       74 II4     kamlesin Skesturneo Raudt     -     -     -     -       74 II4     kamlesin Skesturneo Raudt     -     -     -     -       74 II4     kamlesin Shesturneo Raudt     -     -     -     -       74 II4     kamlesin Shesturneo Raudt     -     -     -     -       74 II4     kamlesin Shesturneo Raudt     -     -     -     -       74 II4     kamlesin Shesturneo Raudt     -     -     -     -       7     12 7     12 7     12 7     12 7     12 7       7     12 7     12 7     12 7     12 7     12 7       < | 2         3         4         5           Roll No.         Name of the Students<br>(Sumarne first)         N.C.C.         N.S.S.<br>only one of<br>a b.c.<br>be filled in           a         b         c         d         a         b         c         or<br>box<br>or<br>be filled in           74 II-5         Kamlesin Shesturmo Rault         -         -         -         -         -         -         -           74 II-5         Kamlesin Shesturmo Rault         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - <t< td=""><td>2         3         4         5           Roll No.         Name of the Students<br/>(Sumarne first)         N.C.C.         N.S.S.<br/>only one of<br/>a b.c.<br/>be filled in<br/>3         Inte<br/>a b.c.<br/>be filled in<br/>3         Inte<br/>a b.c.<br/>be filled in<br/>3         Inte<br/>a b.c.<br/>be filled in<br/>3           74.114         kamlesin shestureno Rault         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -</td><td>2         3         4         5           Roil No.         Name of the Students<br/>(Sumame first)         N.C.C.         N.S.S.<br/>only one of<br/>a.b.c.<br/>be filled in<br/>a.b.c.<br/>be filled in<br/>a.b.c.</td><td>2         3         4         5           Roil No.         Name of the Students<br/>(Sumame first)         N.C.C.         N.S.S.<br/>only one of<br/>be filled in<br/>a         Inter Collegiat<br/>a           a         b         c         d         a         b         c         a           y         b         c         d         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a</td><td>2         3         4         5           Roil No.         Name of the Students<br/>(Surname first)         N.C.C.         N.S.S.<br/>only one of<br/>be filled in<br/>a         N.S.S.<br/>only one of<br/>be filled in<br/>a         Inter Collegiate<br/>a1         Inter Collegiate<br/>a2         a           74 II-6         kamlesin skestureno<br/>14127         Rarshamt Banchum Shirssonn         -         -         -         4         -         -         -         4         -         -         -         4         -         -         -         4         -         -         -         -         4         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         &lt;</td><td>2         3         4         5         6           Roit No.         Name of the Students<br/>(Sumame first)         N.C.C.         N.S.S.<br/>only one of<br/>a.b.c.<br/>be filled in         Inter Collegiate<br/>a 1         In</td><td>2         3         4         5         6           Roll No.         Name of the Students<br/>(Sumame first)         N.C.C.         NS.S.<br/>only one of<br/>a b         Cames and Stort<br/>Kubblack           a         b         c         o         o         o         a 1         a 2         a 1           a         b         c         o         o         o         o         o         a 1         a 2         a 1           a         b         c         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o         o<!--</td--><td>2         3         4         5         6           Roll No.         Name of the Students<br/>(Sumame first)         N.C.C.         N.S.C.<br/>be filled in<br/>a b         Inter Collegiate<br/>a 1         Inter Collegiate</td><td>2         3         4         5         6           Roll No.         Name of the Students<br/>(Sumame first)         N.C.         N.S.S.<br/>be filled         Sames and Sport<br/>a.b.c.<br/>be filled         Inter Collegial<br/>a1         Inter Collegial<br/>a2         Inter Collegial<br/>a2         Inter Collegial<br/>a1         Inter Collegial<br/>a1</td><td>2         3         4         5         6           Roll No.         Name of the Students<br/>(Sumane first)         N.C.C.<br/>be filled in<br/>a b         NS.S.<br/>only one of<br/>a.b.c.<br/>be filled in<br/>a b         Collegiat<br/>a 1         Inter University<br/>a 2         Inter<br/>versity<br/>a 2           74116         Komlesh Stepteraro<br/>Parishent fenctum Shirssom         a         b         c         o         a         b         c         o         a         b         e         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a</td><td>2         3         4         5         6         7           Rol No.         Name of the Students<br/>(Sumane first)         N.C.C.         N.S.S.<br/>only one of<br/>a.b.c.<br/>be filled in         Other one<br/>a.b.c.<br/>be filled in         Inter University<br/>a1         Inter University<br/>a2         Inter University<br/>a1         Inter<br/>a2         Inter University<br/>a1         Inter<br/>a1         Inter University<br/>a2         Inter University<br/>a1         Inter<br/>a1         Inter<br/>a1         Inter University<br/>a1         Inter<br/>a1         Inter University<br/>a1         Inter<br/>a1         Inter<br/>a1         Inter University<br/>a1         Inter<br/>a1         Inter<br/>a1         Inter<br/>a1         Inter<br/>a1         Inter University<br/>a1         Inter<br/>a1         Inter<br/>a1</td><td>2         3         4         5         6         7           Roll No.         Name of the Students<br/>(Sumame first)         N.C.C.         N.S.S.<br/>only one of<br/>a.b.c.<br/>b         Inter Collegiate<br/>(a) b.c.<br/>b         Inter Collegiate<br/>(b) (b) (b) (b) (b) (b) (b) (b) (b) (b)</td><td>2         3         4         5         6         7           Roi No.         Name of the Students<br/>(Sumame first)         N.C.C.         N.S.S.<br/>only one of<br/>a b.c.<br/>briter Collegiate<br/>a b.c.<br/>briter Collegiate<br/>briter Collegiate<br/>a b.c.<br/>briter Collegiate<br/>briter Collegiate<br/>br</td><td>2     3     4     5     6     7     8       Rol No.       Name of the Students<br/>(Summe final)       a     b     c     a     b     c     a     b     c     a     b     c     b     c     b     c     b     c     b     c     b     c     b     c     c     c     b     c     c     c     b     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     c     <t< td=""><td>2     3     4     5     6     7     8       Rol No.     Name of the Students<br/>(Sumane final)     N.C.C.     N.S.S.<br/>only one of<br/>able on<br/>billine in<br/>billine in<br/>billine in<br/>able of<br/>billine in<br/>able of<br/>bil</td><td>2     3     4     5     6     7     8     9       Rol No.     Name of the Saudents<br/>(Sumare first)     N.C.C.     N.S.S.<br/>only one of<br/>billionic     Inter Collegial<br/>inter Collegial<br/>billionic     Inter Collegial<br/>inter Collegial<br/>billionic     Inter Collegial<br/>inter Collegial<br/>billionic     Blocd<br/>inter Collegial<br/>billionic     Blocd<br/>inter Collegial<br/>billionic     Blocd<br/>inter Collegial<br/>billionic     Inter Collegial<br/>billionic     Inter Collegial<br/>billionic     Blocd<br/>inter Collegial<br/>billionic</td></t<><td>2         3         4         5         6         7         8         9           Roll No.         Name of the Students<br/>(Sumame frail)         N.C.C.         N.S.C.<br/>be filled in         Inter Collegiate<br/>at a set of the Students<br/>(Sumame frail)         Block Collegiate<br/>(Inter Collegiate<br/>at a set of the Students)         Block Collegiate<br/>(Inter Collegiate<br/>(Inter</td><td>2         3         4         5         6         7         8         9         10           Rol No.         Name of the Students<br/>(Sumare first)         N.C.         N.S.S.<br/>only one of<br/>a b.C.         Cames and Sort<br/>(be filled in<br/>ab.C.         Inter Collegiate<br/>(be filled in<br/>ab.C.         Inter Collegiate</td><td>2     3     4     5     6     7     8     9     10     11       Rot No.       Name of the Statents<br/>(Summe first)     N.C.     NS.S.<br/>only one of<br/>the filled in<br/>the fill</td></td></td></t<> | 2         3         4         5           Roll No.         Name of the Students<br>(Sumarne first)         N.C.C.         N.S.S.<br>only one of<br>a b.c.<br>be filled in<br>3         Inte<br>a b.c.<br>be filled in<br>3         Inte<br>a b.c.<br>be filled in<br>3         Inte<br>a b.c.<br>be filled in<br>3           74.114         kamlesin shestureno Rault         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - | 2         3         4         5           Roil No.         Name of the Students<br>(Sumame first)         N.C.C.         N.S.S.<br>only one of<br>a.b.c.<br>be filled in<br>a.b.c.<br>be filled in<br>a.b.c. | 2         3         4         5           Roil No.         Name of the Students<br>(Sumame first)         N.C.C.         N.S.S.<br>only one of<br>be filled in<br>a         Inter Collegiat<br>a           a         b         c         d         a         b         c         a           y         b         c         d         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         b         c         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a         a | 2         3         4         5           Roil No.         Name of the Students<br>(Surname first)         N.C.C.         N.S.S.<br>only one of<br>be filled in<br>a         N.S.S.<br>only one of<br>be filled in<br>a         Inter Collegiate<br>a1         Inter Collegiate<br>a2         a           74 II-6         kamlesin skestureno<br>14127         Rarshamt Banchum Shirssonn         -         -         -         4         -         -         -         4         -         -         -         4         -         -         -         4         -         -         -         -         4         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         < | 2         3         4         5         6           Roit No.         Name of the Students<br>(Sumame first)         N.C.C.         N.S.S.<br>only one of<br>a.b.c.<br>be filled in         Inter Collegiate<br>a 1         In | 2         3         4         5         6           Roll No.         Name of the Students<br>(Sumame first)         N.C.C.         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N.S.C.<br/>be filled in<br/>a b         Inter Collegiate<br/>a 1         Inter Collegiate</td> <td>2         3         4         5         6           Roll No.         Name of the Students<br/>(Sumame first)         N.C.         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	74374	Gausar Madan Bilgaye		-	-	-	2	-	-	+	+	+	-	-	+	-	+	-	+	1	-	+	+	1-	+-	-	1	2	2
2	74975	Harshal Ramesh Debdase	_	_	-	-	2	-	-	+	-	+	-	+	+	+	+	-	+-	-	-	+	-			T		2	+
3	74976	Kalah ANI Dhulve		_	-	-	2	-	-	+	+	+	-	+	-	+	+	-	+		+	+	+	1	-	+	-	2	2-
1	74977	Khushing Dilipsace Datid.		-	-	-	2	-	-	+	+	+	+-	+	+	+	+	+	+	+	+	+	+	+	+	-	1	2	- 2
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;	74979	Margesh Babyi Taxade			-	-	2	-	-	-	+	+	-	+	+	+	-	-	-	+	+	+	+	1	1	-	-		2_
L	74980	Mayus Sabinyson Kumbhar	-	-	-	-	2	-		-	-	+	+-	+	-	-	+		+	+	+	-	-	-		1			2
8	74981	Mibakshi Babarao Aanse			-	-	2	-		+	+	+	+	-	-	-	-		+		+		+	-		-			- 2.
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18	74991	Susahh	Devidas	Dandake			1		2				(internal																	L	2
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30	74993	Shubbar	Natarda						2				1															1 1		2	L
31	74994	Shubban	Blakash	Namulte					2																					2	L
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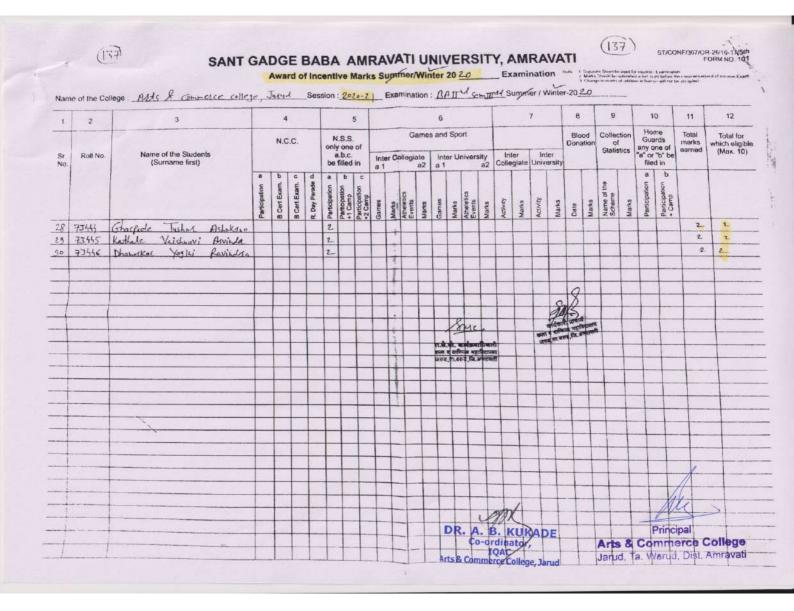
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1	73417	Abhisheld Nipala Gabukar		1			2					-	-	-	-	-2.60	-		-	-		-	-		-			2	2
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3	73413	Kumase Ajay Rhiselad					2				1				10											-		2	L
4		Idjachi Amit Zamsingh					2																			1		2	2
5		Markan Devanchurs Prendel					2			-																-	1	2	2
6	73420	Nervanshi Jyati Dhanisan					2																					2	2
7	73421	Thakese Treats Abdayan				-	2												-							-	-	ALL RAD	2
8	73422	Silsan Kajal Ajahsao					L							10								1.00				1.000		L	2
9	73423	Rande Karl Annaholia.					2					8																2	2
p	73424	Gaykund Kartik Satish				-	2																					4	2
11	73426	Nethile Mamata Solandas					2.									i li												2	2
12	73427	Natisa Beno Abdul Pethan					2	1																				2	2
13	73428	Kumare Nalendia Kanhiyald					2																					e	2
14	73429	Bhujade lawar Kewed					2											1										2	2
15	73430	Barde Batul Shandaj					2					1										1				1		E	2
16	73431	Gaykord Preseli Sudhakar	1				2																					2	2
17.	73432	Silsan Parshant Panchaman					2_	_																				2	2
18	73433	Harle Protik Anil					2	_				1								1								1	2
15	73434	Mahulkar Priyanka Ganesh					2														1			1				2	2
20		Aahake Robit Asun					L	-				-																2	2
21	73435	Susince Roshan Goral	_	-	-		2_													N.				1000			1	2	2
22	73436	Yuvanate Rupali Rajabhay					2		-	-	-											C	2				1	2	2
2.3	73437-	Dike Soudil Fagansa.					2	-				-	m	1			0			100	1	Si	P				GU	-	2
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1	72673	Uske Ajay Banchilad		-			2												-									2	2
2	72.677	Dhamle Akshay Rovinda					2																					2	2
3	72676	Juvere Akshay Romash		_			L		-		_										_							2	2
4	72678	Kubade Aniket Asvilda					2	_		-	_						-			-				_		-		2	2
5	72681	Bugdi Ankach Sahebsao			. 1		2		-	-	_										_							2	2
6	72684	Kumase Asuini Kanhyalad		_			1	_	-	-	-				1			-			-					-	-	2	2
7	72685	Under Bhaskes Ranchards.					2	-	+	-	-		-	1.57	-		_	-			-	-		_				2	2
8	72.686	Kale Bhushan Bubhakar					2	-	+	-	-	-				-				-			-	-	-			2	2
9	72688	Revance Dirdh Sontishan					2	-	+	-	-1	-			-	-		-	-				-	-		-	-	2	2
10	72683	Wedlive Dhysneslaw Sitaian	-				2	+	+	+	-+	-				- 5			-		39652	-940	-	-	-		10.000	2	2
1		Nagunali Durgest markidier	-	_			2	100 100.		-	-			-	-						-		-	-				2	2
12	72692	Vike Muna Garpat	-							-	-		-	-	-	-	-	-	-	-	-			-	-	-	-	2	2
13	72613	Chusate Gausar Vihayk	-	-	-		2	211110 24	1	+	-	-	-		-	-		-			-			-				L	2
14	72695	Dhusse Goal Sheidher	-	-			2	+	+	-	-	-		-		1990				-					-	-	1	2	2
11.	72696	Javale Kanchus Mahadeo	-				2	+	+	+	-	-		-	1		-	-			-	-			-			2	2
16	72701	Chikte Nakul Yadovan	-	-	-		2		+								1	1										2	2
_17_	72702	Surjuce Nilesh Neterday		-	-		2	-	1	-	-			-	1		-				-							2	L
18	72.704	Raut Pullari Rajonden	-			-	2	-	1	-														1				2	2_
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22	72710	1 Martin Press		-			2	-	1	1		-									<	28						2	L
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25		Galling Rushikerh Vilas					2	-	-	-	L			Β.	KU	KA	DE	त्र प्रवाल प्रविद्यालय		3	es,81.9	res, Pr	अपका	en)			n	12	2_
21	72718	Didie Rutusa Sanjayon. Bride Saniksha Kisana.	-		-		2	-	-			1	Co-	ordi	hato	2 10 0	18 3 72	POND-			1				1 -	Pr	incin	22	2

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30	72727	Blanhane	Vaisheri	Ashikas					2	1	1		-			-	-	-	-				-		-	-	-	-	2	2
31	72726	Juvale		Ramech					2		1	-	-		1	-	-			-	-			-	+	-			2	2
2	72728	Gadye	Vikson	Pulushatten					2			1-						-			-				-	-	-		2	2
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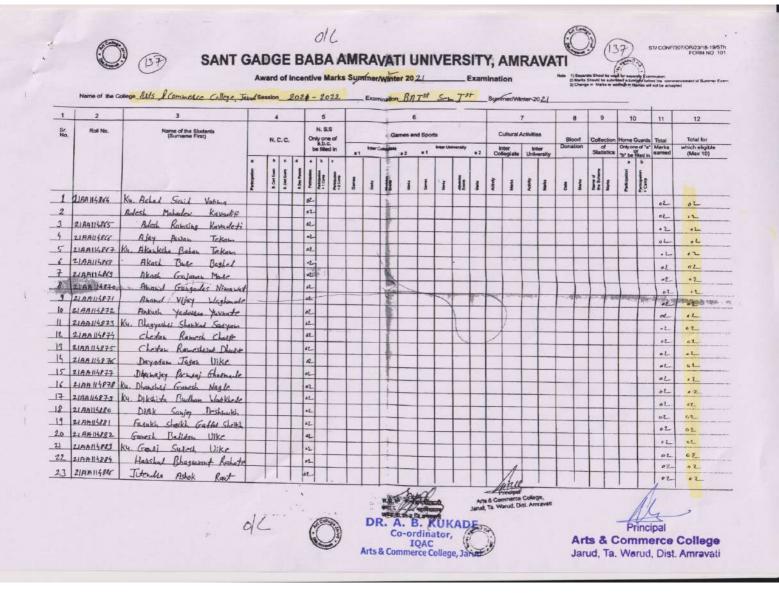
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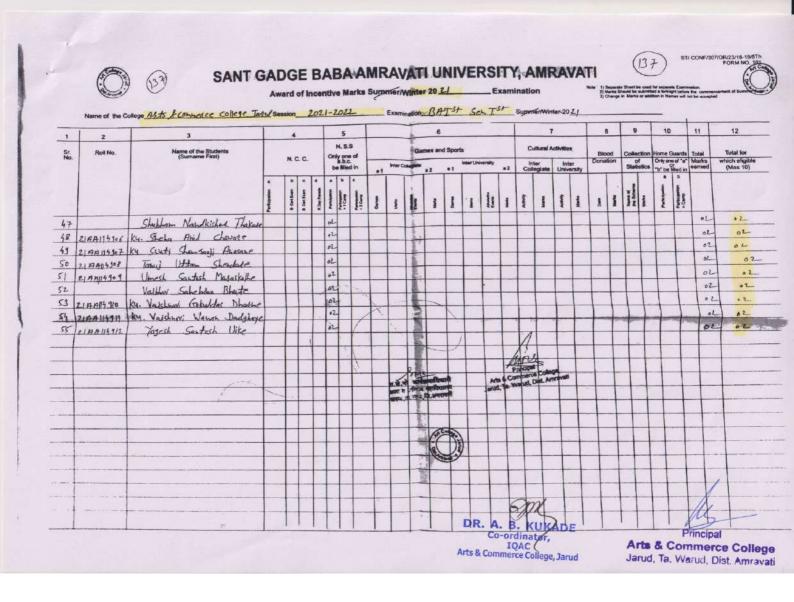
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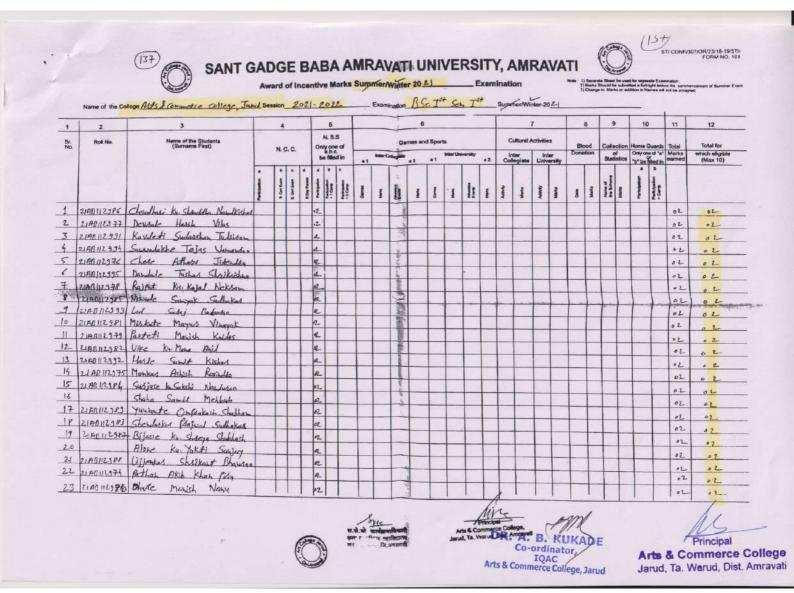
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# HOME ASSIGNMENT BOOKS

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Page No. Date ८ आन्य पहाल्का जर सर्रस्टना दोकें समाग्रहान 3 वडुमन मसक्सास, राज्यसमा महत्वान्या भुभोका पार पारु वाछते, २०१४ ला १९ त्या लोड 1317 115 अस्तपि जनता पहनात्म पांत्भूवों बहुमन सेवाद परंतु राज्यास्त्री भा समाग्हान भाजपा आखाडान ख्यतं हत् भागा अस्तामामुद्धे भूम २०१६ धर्म अभी आधेगृहन् विधेमेख, जी. एस. ही त्विधेषडा माहार बीडन आकांतराने विरोधी पहनानी संरकार होरेन ( ( ) राष्ट्राय के समन के यहानमंत्री Filolopertif यांनी मरमारांची अमेरित रचीप्राली अध्वतानी pere 1937 यत. २८७१७२१ लोख्यमेखा छार्यावर निपत्रम के महत हे राज्य के किया के राज्य BRIECOLLOGS Leice etn. above starkby tel things the sport Tologo Here Sallie 1211 203 P . (920 24 011 0110 75 TOUGHT AT STATISTICS 100 7 10 LL 1 1 181 5 (5 11-3) Celeza INIE COLORE sta clotte biel LOIS PODE LOD 35% SIMISHE LEBOSCOLADITE 6 2011 M ETCOS (12213 6) 3 12 23 the second of the second second second 161-A CHI MARTION MAL STONES MAIN SON STONES IN STREET and alled the antenalgory) lagered the alle sues incore forest and blight 

Poge No. Paga No. Dote : / Data: 1 वाणि ज्य महाविद्यालय. d aport দেহ্ব भोकुमराव धर्मे दु . वेण्णवी आम १ (शेम ३) .11 C विषय : मृहअर्थशास्त्र Dec 20 -50 Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati 5

Page No. Poge No. Date: / / Date: / • कबद्किंग्च्या कमनश्तेने प्राचीनांच्या महत्त्वपूर्व कार्यात (पेशींची निर्मिती) अडवला येती. कर्बादकाल्या आधिक्याने द्वपारेगाम् (symptoms due to excess consumption) - 3716121612 Dillo आपल्या शरीराला जास्त प्रमाणात कर्वोढकांचा प्रतता इनाज्यातन -• सबीखे प्रमाण वाहुन लढढ पठार थेनो • काम करन्यांच्या अत्रनाह शहन लाही. • हृद्यरोग, मधुमेह, रक्तदाब होन्याची शक्तता वाहते .ार्ट्रा कृषिक • आहारात आहीक प्रमागातु कबोदक असन्यास त्याचे योग्य प्रचल होत ताही. ) जोड पदार्श जास्त खल्यास दातांना किड तंत्रमय पढार्थी-व्या अतिसेवनाचे अपन्वन हात. हबाह्यतांस्टरम कामतराभव कालिगाल -이 이상원이 남자인 이 유입 BELL ARTE BEERE INSTITUTE THE 1998 ALOW STUDIES TO COMPANY STUDIES THE dutal abilit Elit · POPPORT INSTRUCTION · NEB ITMINISTER ILITING 6 गालाल्य, विकासाल काहा- विस्ताल हत et il solitor selator alega edishert. Charles ( 1997) - Addit Station - Addit the participation putation the 75 A GALL GALLAND OLS TO MITTING TUS ON

Page No. Date कु. मयूरी रामारेनेगानी कुवडेती ठॉलेम नावः- फला वालिप्य मठाविष्यालय দেহত্য alt - BA-I विषय :- युष्परचनेकरिता स्नाहित्य 15/20 M R Principal Arts & Commerce Cotlege Jarud, Ta. Warud, Dist. Amravati

Page No. Date अभ्रामि महत्व आहे। DIS ANOP छन्पनाशक्ती ? -E पुष्परचना करुंगजे छत-पर्नेच 一下外国的广 उन्तिवियक्ती होय, युष्यरचनेमुके इत्रिनीच्या राजुन् भुजानावान मिळण्यस् 1600 113 31531 1-05 भहत होते लसेच कोश्रात्य प्राप्त 5 करता यते. फावल्या वेखत छोर पुष्परचना छर्छन ज्यानेंद्र साथा ठोण्यन भदतय ठोते. -214340 पार्श्वभूमी 8-पुष्पश्चना डेवत-यासाही प्लेन किक्क्या देगायी पार्श्वभूमी असावी. ट्यामुळे पुष्परचना उडुना १ईसते. मान र्युएस्ट्रास स्ट्राम्स मुख्य 1612 all a frances नेन्द्रतार डालां त्यां त्या होते. बोह्य ईटार्डाडानी ज्या होती. perce 2 3) starter enalts PLAN BULL STORING 2/99/21 21 OKAISA MARCE ANALE AN CIRE - Hereinoto - 1911 1 Stand AFT STADIES STORES STATE

Page No. Page No. Date : (48110) 292 Hon 210100 old: 2-110fab HAULISC 222141 = 3141124172 class BA.T AP Name: Vishal K. Sonyte college Name :- ARts te compe-commerce college (JARUD) Jub :- English - Assignment. Class - B.A.I (3emI 12 10 Principat Arts & Commerce College Jarud, Ta. Warud, Diet / mavail

Page No. Date : satisfaction and joy of victory, one must suffere defeat and have to listen to the joyous rejes of the winner. The poem goes on to say that to underesteend fully the sulisfaction and joy of victory, one must suffere defeat and have to listen to the Joyous ceies of the winner The poen goes on to say that to understand fully the satisfiction and goy of victory. one must suffer defeat and have to listen to the juyous creies of the minner. to 14. + emphasizes the fact that one must lose something something in oreder to truly appreciate 14

Page No. Date : Ku. Jasika Difipago Bawane College Name :- Art and commarce college Jarud. Class :- B.A. part 1 Sem - I sub :- English Principa Arts & Commerce Colleget Jarud, Ta. Warud, Dist. Amravati

Page No. Useless remarks a Town Councilman, " but beautiful" He is adored by C all who see him. UnFortunately for the first time, the pain and misery experienced by the poor of the City . of whom he had remained ignorant. The The status now weeps with Sadness to learn the plight of So many who have so little. A self-Serving Swallow arrives to take shelter beneath this status and eventully becomes touched by the statue's kindness and desire to help other. He becomes touched by the messenger and agress to remove the jewels and the gold from the Happy Prince in order to bring Centenment, badly needed Financial security and Compassion to the masses. In an allegory, the swallow can be Seen as socialism delivering

219 लोके हा सरेश सिरसाम () -> B.A -II -> RISZIAIRA (Assignmen विषय 217 Sem-ester 5 TT वर्ष -) 2022-29 Roll Mo :- 4889 TEarsi 4R2-22-22 14 Jarud, Ta: Waldowid, Amravati Jarud, Ta. War Dist. Amravati

Page No. सोडपुन त्यान्य जाविनमाम उत्पाविवयोच्या या छपल हिन्ने सार्क (Saarc) भरितल्वान साल त्यात्रात्य परस्पर तनावामुने खुरू। लागत झाहेत सार्छ, परिषद छे१८ उपन्पार ठरू पादन असतील तर ले या पुढच्या आगत परंगडणारे नाही, युरोपीय समुहातील बारा देश छापसापले मनमेद विसरल्म थुरो; सारच्ये यामाजिङ न्यलन मास्तिल्लात क्लांजू आक्रतात, त्यातून त्यांन्धी राजकीय समवाकश्वतेल्या दिशेन वाटन्याल घुरु होना राष्ठ्रते, आध्नमेम आदिया, लरीन अमोरिजा, डलर अमेरिका पा मानातील देशही एडम येभन विविश्व, विभागीभ संघटनाब्दारे उद्योग व्यापारावावत. सहछाय छरताना आढवतात मान सार्क मच्ये दीषना-व्येयेन आहाही होत जाही 1

Page :\_\_\_\_ Date: / नात => महषिदेश रविंद्रराव दाचरे शाळेचे नाव => कुला व वाणिज्य महाविदयालय VTXAS as = B.A. II (SEM-III) विषय = मराही वाड-मरा ग्रहपाठाचा विषय = लोकुगास मार्गदर्शक सर => कुळि सर 2101 = 2019-20 14 10 guest Principal Arts & Commerce College Jarud, Ta. Warnen St. A ... avati

Brice -Brice Page 1 Page :\_\_\_\_ Date : @ पंढरपुरच्या आवा ह-वतामीण क्लीच्या अंतरी पंढरपुरच्या विठोबा ब द्रदल निता त अ द्द्या आहे. ओवीगीता-तून विठोबाचे वर्णन आविड तेने ती दूरते. या ओव्याची व्यंख्या विपुल आहे. विठोबा म्हणजे लोडुमानव्यान्ते आह्याव्स्यान, भक्तांचा लाड्डा देव अश्वी ख्याती आहे. रकी यांच्या अंतः करणात तो विराजमान आहे. आई, वडील, बंध, सरम अशा विविध रूपाने स्तीयांती विठोवाला आवी गीतात्वन सारारले आहे. पहिली माही ओवी रा ऊरकीणी मालेला अना पांड्रेंग पित्याला तु ये रे वा विहरला...! अशा तन्हेने पहिल्या ओवीपासून तर आहन्या नवन्या ओवी पर्यत ती विहोबाला आपल्या कोटुंबिंग्र नात्यात रहंफते व संसारी जीवनातील. दुःख द्र दरण्याची विनवणी दरते. मता लो पांडरंग करकीणी हे परमेश्वर म बाहता अलोईोड पालकीवर वावरतात.

× उलापाणिज्य महाविद्यालय जहुड योगिता Realerd संयम पति लाह. ए. कि - दिए सत्र पाचने २नन - 2098-20 विषय :- महाठी (मान243) फुलेचे जिवन जाताब SIGNER महात्मा 0 9 9012 जोतीराव फुले जोतिराव फुले व सावित्रीबाई फुले यांचे जोतीराव गोविंदराव फुले औरंगपुरा, औरंगाबाद येथील पुलळे

पहिली आरतीय किलिका - भगवित्रीखर्ड (क्रल (21871) d'29: 010 =1. Uq17 महरमा ज्योतीया कुले (यरित्र) मेखनः ग. माछी सहासा जोग्निश कुले (बारित्र) लेकवेका: चिरिया की? महात्मा जोनिया (कर्ले (स्प्रिंग) लेखक: जोगिद गढवलकर जीमनेग फले साणि सामित्री वाई फले (नास्त) HEIGHT A लेखिका : अनुराष्टा भारे ज्योतिया कुले राषा प्रार्वणनिक भारत्वम महात्मा ( भगारित) प्रकाशम : स्री ्रिकाश्रमः सी गाताना हुद्द डेपी ज्यातिराष क्रिके जाति विप्रिं कित्यु गार्थ, तो स्वकः HEIGHI 4 TO gary 10 21PAT सहात्मा (कर्ज (मराही चित्रपट) निमनि - दिव्दर्शक BILEIIZ सहात्मा जोतीवा कुले (नोष्ट्रास्) लेखड ; भौकारान् महातमा जोतीशय क्रिले (नजरियान ओर उनका आहूब नेखिकाः उा नसरीम एमजान सेरेश्रह) (33) मी जोतीना रहने वोलतोय (तमपात्री नाटक): लेखक - सादरकेने कुमार आहर. कुमार STIPPION ्या कार्यासाठी सहाराष्ट्र स्मरफारन 'वावास्मोहव व्यमाध्न उत्थान अपस्कार दिला आह. 3770547 ्नत्याहिक (मराठी हारक) लेखक: गा.पु. देखापोर्ड; 12 2 2 x 14 BIGA

# **NOTIFICATION/ORDINANCE**

# GRIEVANCE / CENTRAL ASSESMENT PROCESS, REDRESSAL

## SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE



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# महाराष्ट्र शासन राजपत्र

### असाधारण भाग चार-ब

बुधवार, केबुवारी २७, २०११/फाल्गुन ८, शके १९४० [मूछे १५, किंमत : रुपये ९

असाधारण क्रमांक ६७

प्राधिकृत प्रकाशन

महाराष्ट्र शासनाने महाराष्ट्र अधिनियमांन्वये तयार केलेले

(भाग एक, एक-अ आणि एक-ल यांमध्ये प्रसिद्ध केलेले नियम व आदेश यांव्यतिरिक्त) नियम व आदेश.

उच्च व तंत्र शिक्षण विभाग

मादाम कामा मार्ग, हुतात्मा राजुगुरू चौक, मंत्रालय मुंबई ४०० ०३२, दिनांक २५ फेब्रुवारी २०१९

अधिसूचना

### महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६.

क्रमांक परिनि. २०१८/प्र.क्र.१२५/विशि-२.— महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ (२०१७ चा महा. ६) याच्या कलम ५६ च्या पोट-कलम (२) चा खंड (ख) आणि कलम ७१ चे पोट-कलम (११) तसेच कलम ७२ चे पोट-कलम (१०) यांद्वारे प्रदान करण्यात आलेल्या अधिकारांचा वापर करून, महाराष्ट्र शासन, याद्वारे, विद्यार्थी तकार निवारण कक्षाच्या कामकाजाच्या कार्यकारी यंत्रणेशी संबंधित एकरूप परिनियम विहित करीत आहे :—

### सन २०१९ चा एकरूप परिनियम क्रमांक ५

 संक्षिप्त नाव.—या परिनियमास, महाराष्ट्र सार्वजनिक विद्यापीठ (विद्यार्थी तक्रार निवारण कक्षाच्या कामकाजाची कार्यकारी यंत्रणा) एकरूप परिनियम, २०१९, असे म्हणावे.

२. व्याख्या.--या परिनियमांत संदर्भानुसार दुसरा अर्थ अपेक्षित नसेल तर,--

(एक) "व्यथित विद्यार्थी" याचा अर्थ, या परिनियमान्वये व्याख्या केलेल्या तक्रारीशी संबंधित बाबीमध्ये, ज्या विद्यार्थाची कोणतीही फिर्याद असेल तो विद्यार्थी, असा आहे आणि त्यामध्ये उच्च शिक्षण देणाऱ्या कोणत्याही विद्यापीठात किंवा महाविद्यालयात किंवा मान्यताप्राप्त परिसंस्थेत प्रवेश मागणाऱ्या व्यक्तीचा समावेश होतो ;

(दोन) "प्रवेशाचे घोषित धोरण" याचा अर्थ, विद्यापीठ किंवा महाविद्यालय किंवा मान्यताप्राप्त परिसंस्था यांच्याकडून प्रस्तुत करण्यात

महाराष्ट्र शासन राजपत्र असाधारण भाग चार-ब, फेह्रवारी २७, २०१९/फाल्गुन ८, शके १९४०

(ख) विद्यापीठ किंवा महाविद्यालय किंवा मान्यताप्राप्त परिसंस्था यांच्याकडून प्रवेश प्रक्रियेत अनियमितता होणे ;

(ग) माहितीपुस्तिकेत प्रसिद्ध केल्याप्रमाणे प्रवंशाच्या घोषित धोरणानुसार प्रवंश देण्याचे नाकारणे ;

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(घ) या परिनियमाच्या खंड ३ मध्ये विनिर्दिष्ट केल्याप्रमाणे, एकतर छापील प्रतीच्या स्वरूपात किंवा ऑनलाईन स्वरूपात माहितीपुस्तिका प्रसिद्ध न करणे ;

(ङ) जी माहिती खोटी व दिशाभूल करणारी आहे आणि वस्तुस्थितीवर आधारित नाही अशी कोणतीही माहितीपुस्तिके ध्ये प्रसिद्ध करणे :

(च) एखादी व्यक्ती, जिचे शिक्षण पुढे सुरू ठंवण्यास इच्छुक नसेल अशा व्यक्तीला कोणत्याही पाठघकमाच्या किंवा अध्ययनक्रमाच्या बाबतीतील कोणतेही शुल्क भरण्याकरिता प्रेरित करण्याच्या किंवा तिच्यावर सक्ती करण्याच्या हेतूने, अशा एखाद्या विद्यापीठात किंवा महाविद्यालयात किंवा मान्यताप्राप्त परिसंस्थेत त्या व्यक्तीने प्रवेश घेताना ते विद्यापीठ किंवा महाविद्यालय किंवा मान्यताप्राप्त परिसंस्था यांच्याकडे तिने जमा केलेल्या पदवी, पदविका प्रमाणपत्राच्या किंवा कोणत्याही अन्य पारितोषिकांच्या किंवा इतर कागदपत्राच्या स्वरूपातील कोणताही दस्तऐवज रोखून ठेवणे किंवा तो परत करण्यास नकार देणे ;

(छ) अशा विद्यापीठाकडून किंवा महाविद्यालयाकडून किंवा मान्यताप्राप्त परिसंस्थेकडून आकारण्यात येणाऱ्या, प्रवेशाच्या घोषित धोरणामध्ये विनिर्दिष्ट केलेल्या किंवा सक्षम प्राधिकरणाने मान्यता दिलेल्या रकमंपेक्षा अधिक रकमंची मागणी करणे :

(ज) प्रवेशातील आरक्षणाबाबत लागू असलेल्या धोरणाचा भंग करणे ;

(झ) प्रवेशाच्या बेळी गुणपत्रिका, शाळा सोडल्याचा दाखला, यांसारखी मूळ शैक्षणिक व वैथवितक प्रमाणपत्रे आणि प्रशसिषत्रे, तसेच अशी इतर कागदपत्रे, ती मूळ स्वरूपात सादर करणे अनिवार्य नसतानाही सादर करण्याचा विद्यार्थ्यांना आग्रह करणे ;

(ज) लिंग, वंश, जात, वर्ग, पंथ, जन्मस्थान, धर्म व दिव्यांगता या कारणांवरून विद्यार्थ्यांच्या कथित भेदभावाच्या तकारी

(ट) संबंधित प्राधिकरणाकडून शिष्यवृत्तीची रक्कम प्राप्त झाल्यानंतर ती, विद्यापीठाकडून किंवा महाविद्यालयाकडून किंवा मान्यताप्राप्त परिसंस्थेकडून एखाद्या विद्यार्थ्यास प्रदान केली न जाणे, किंवा प्रदान करण्यात विलंब करणे ;

(ठ) प्रवेश रह झाल्यास शुल्काच्या परताव्याबाबतच्या नियमांचे पालन न करणे ;

(उ) शैक्षणिक वेळापत्रकामध्ये चिनिर्दिष्ट केलेल्या कालावधीची मयादा पार करून परीक्षा घेण्यात किंवा त्यांचे निकाल जहिरि करण्यात अवाजवी विलंब करणे;

(ढ) विद्यापीठ किंवा महाविद्यालय किंवा मान्यताप्राप्त परिसंस्था यांच्याकडून माहितीपुस्तिकेत आश्वासन देण्यात आले अझैल किंवा पुरविणे आवश्यक असेल त्याप्रमाणे विद्यार्थ्यांना सुविधा न पुरविणे :

(ण) मुल्यमापन पद्धती पारदर्शक नसणे किंवा अनुचित असणे ;

(चार) "विभाग तकार निवारण कक्ष" याचा अर्थ, खंड ५ च्या उपखंड (१) मध्ये विहित केल्याप्रमाणे, विद्यापीठ विभाग किंवा विद्यापीठ परिसंस्थास्तरावरील, या परिनियमान्वये घटित केलेली समिती, असा आहे :

(पाच) "संस्थात्मक तक्रार निवारण कक्ष" याचा अर्थ, खंड ५ च्या उपखंड (२) मध्ये विहित केल्याप्रमाणे विद्यापीठस्तरावरीलीया परिनियमान्त्र्य घटित केलेली समिती, असा आहे :

(सहा) "महाविद्यालय तक्रार निवारण कक्ष" याचा अर्थ, खंड ५ च्या उपखंड (३) मध्य विहित केल्याप्रमाणे महाविद्यालय किंवा यथास्थिति मान्यताप्राप्त परिसंस्थास्तरावर या परिनियमान्वये घटित केलेली समिती, असा आहे.

(सात) "विद्यापीठ तक्रार निवारण कक्ष" याचा अर्थ. खंड ५ च्या उपखंड (४) मध्ये विहित केल्याप्रमाणे विद्यापीठस्तरावर या

## महाराष्ट्र ज्ञासन राजपत्र असाधारण भाग चार-ब, केहुवारी २७, २०१९/काल्गुन ८, शके १९४०

(नऊ) "लोकपाल" याचा अर्थ, या परिनियमान्वये नियुक्त केलेला लोकपाल, असा आहे;

(२) या परिनियमात वापरण्यात आलेले, परंतु व्याख्या न केलेले शब्द व शब्दप्रयोग यांना, महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ (२०१७ चा महा. ६) यात अनुक्रमे जे अर्थ नेमून दंण्यात आलेले असतील, तेच अर्थ असतील.

३. माहितीपुस्तिका, अनुक्रमणिकेसह व किंमतीसह प्रसिद्ध करणे अनिवार्य असणे :----

(१) प्रत्येक विद्यापीठ किंवा महाविद्यालय किंवा मान्यताप्राप्त परिसंस्था, तिच्या कोणत्याही पाठ्यक्रमांसाठीची किंवा अध्ययनक्रमांसाठीची प्रवेश प्रक्रिया सुरू होण्याच्या दिनांकापूर्वी किमान साठ दिवस संपण्या अगोदर, अशा विद्यापीठात किंवा महाविद्यालयात किंवा मान्यताप्राप्त परिसंस्थेत प्रवेश घेऊ इच्छिणाऱ्या व्यक्तींच्या व सर्वसाधारण जनतेच्या माहितीसाठी पुढील माहिती अंतर्भूत असणारी माहितीपुस्तिका प्रसिद्ध करील आणि/किंवा तिच्या संकेतस्थळावर टाकील :--

(एक) अध्यापनाचे तास प्रात्यक्षिक सत्रे व इतर नेमून दिलेली कामे यांच्या सहीत प्रत्येक पाठचक्रम किंवा अध्ययनक्रम यासाठी समुचित प्राधिकरणाने किंवा यथास्थिति, विद्यापीठाने विनिर्दिष्ट केलेल्या अभ्यासक्रमाच्या ढोबळमानाने प्रस्तावित केलेल्या अध्ययनक्रमांची व पाठचक्रमांची सूची ; तसेच अध्ययन तासिका, प्रात्यक्षिक सत्रे आणि इतर प्रकल्प यांबाबतची माहिती ;

(दोन) अशा विद्यापीठात, किंवा महाविद्यालयात किंवा मान्यताप्राप्त परिसंस्थेत पाठचक्रमाचे किंवा अध्ययनक्रमाचे शिक्षण घेण्याकरिता प्रवेश दिलेल्या विद्यार्थ्यांकडून देय असलेले शुल्क, ठेवी व इतर आकार असे प्रत्येक घटक आणि अशा प्रदानाच्या अटी व शर्ती :

(तीन) ज्या शैक्षणिक वर्षांच्या पाठचक्रमासाठी किंवा अध्ययनक्रमासाठी प्रवेश देण्याचे प्रस्तावित केले आहे त्याबाबतीत, समुचित सांविधिक प्राधिकरणाने मान्यता दिलेल्या जागांची संख्या ;

(चार) विद्यापीठाने किंवा महाविद्यालयाने किंवा मान्यताप्राप्त परिसंख्येने विनिर्दिष्ट केलेल्या, बिशिष्ट पाठचक्रमासाठी किंवा अध्ययनक्रमासाठी विद्यार्थी म्हणून प्रवेश घेणाऱ्या व्यक्तीची किमान व कमाल वयोमर्यादा यांसहीत, शैक्षणिक अर्हतेच्या व पात्रतेच्या शर्ती ;

(पाच) प्रत्येक पाठचक्रमासाठी किंवा अध्ययनक्रमासाठीच्या प्रवेशकरिता अशा उमेदवारांची निवड करण्यासाठीच्या चाचणी किंवा परीक्षा, यांच्या तपशिलाच्या बाबतीतील सर्व संबंधित माहितीसह अशा प्रवेशासाठी अर्ज करणाऱ्या पात्र उमेदवारांची निवड प्रक्रिया आणि प्रवेश चाचणीकरिता विहित केलेल्या शुल्काची रवकम :

(सहा) कोणताही द्रव्यदंड, विनिर्दिष्ट केलेली शीर्षे किंवा प्रवर्ग, लादता येतील असे किमान व कमाल द्रव्यदंड लादण्यासाठीचे व ते वसुल करण्यासाठीचे नियम/विनियम ;

(सात) अशा विद्यापीठात किंवा महाविद्यालयात किंवा मान्यताप्राप्त परिसंस्थेत प्रवेश दिलेला विद्यार्थी पाठचक्रम किंवा अध्ययनक्रम पूर्ण करण्यापूर्वी किंवा पूर्ण केल्यावर, अशा विद्यापीठातून किंवा महाविद्यालयातून किंवा मान्यताप्राप्त परिसंस्थेतून बाहेर पडला असेल त्याबाबतीत, विद्यापीठ किंवा महाविद्यालय किंवा मान्यताप्राप्त परिसंस्था, यांच्याकडून परतावायोग्य असलेल्या शिक्षण शुल्काचे व इतर आकाराचे प्रमाण, आणि ज्यावेळेत व ज्यारीतीने त्या विद्यार्थ्यांना असा परतावा देण्यात येईल ती बेळ व ती रीत;

(आठ) प्रवेशाच्या वेळी सादर करावयाची कागदपत्रे ;

E.

(नऊ) प्रत्येक विद्याशाखेच्या अध्यापकाची शैर्क्षणिक अईता व अध्यापन अनुभव समाविष्ट असलेला तसेच असे अध्यापक नियमित तत्त्वावर किंवा अध्यागत म्हणून कार्यरत आहे हे दर्शविणारा, अध्यापकवर्गाचा तपशील ;

(दहा) वसतिगृह निवासव्यवस्था, ग्रंथालय व रुग्णालय यांसहीत भौतिक व शैक्षणिक पायाभूत सुविधा व इतर सुविधा किंवा विद्यार्थ्यांना ज्या उद्योगामध्ये प्रत्यक्ष प्रशिक्षण द्यावयाचे आहे तो उद्योग आणि विशेषत: त्या विद्यापीठात किंवा महाविद्यालयात किंवा मान्यताप्राप्त परिसंस्थेत प्रवेश देण्यात आल्यावर विद्यार्थ्यांना उपलब्ध असलेल्या सविधा यांबाबतची महिती:

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(तेरा) विद्यापीठ किंवा महाविद्यालय किंवा मान्यताप्राप्त परिसंस्था यांना योग्य वाटेल अशी कोणतीही महिती.

(२) विद्यापीठ किंवा महाविद्यालय किंवा मान्यताप्राप्त परिसंस्था वरील खंड (१) मध्ये निर्दिष्ट केलेली महिती ऑपल्या अधिकृत संकेतस्थळावर टाकून आणि वृत्तपत्रांमध्ये व इतर माध्यमांमध्ये व्यापक प्रसिद्धी देऊन संभाव्य विद्यार्थ्यांना आणि सामान्य जनतेला कळवोल.

(३) प्रत्येक विद्यापीठ किंवा महाविद्यालय किंवा मान्यताप्राप्त परिसंस्था, प्रवेश अर्जाच्या नमुन्यासह अशा माहितीपुस्तिकेच्या प्रत्येक मुद्रित प्रतीची, प्रकाशनाच्या व वितरणाच्या वाजवी खर्चापेक्षा अधिक नसेल एवढी, किंमत निश्चित करील आणि तिच्या प्रकाशनापासून, वितरणापासून किंवा विक्रीपासून कोणताही नफा मिळवणार नाही.

४. तक्रार स्वीकारण्याबाबत अपवाद.—राज्य शासनाच्या अंतर्गत असलेल्या कोणत्याही सांविधिक यंत्रणेद्वारे नियमन होणाऱ्या, क्या विषयवस्तुशी जिच्यासाठी राज्याच्या संबंधित अधिनियमाअन्वये तक्रार निवारण यंत्रणेची विशेषरित्या तरतूद करण्यात आली आहे त्या विषय वस्तूशी संबंधित तक्रारी, तक्रार निवारण कक्ष किंवा लोकपाल यांच्याकडून स्वीकाराल्या जाणार नाहीत.

५. तकार निवारण कक्ष :

R.

(१) विभाग तक्रार निवारण कक्ष (वि.त.नि. कक्ष) :---

(एक) विद्यापीठाच्या बाबतीत, विद्यापीठ विभाग किंवा विद्यापीठ परिसंख्या यांच्याशी संबंधित सर्व तकारी, सर्वप्रथम, विद्यापीठ विभाग किंवा विद्यापीठ परिसंस्था स्तरावर घटित करण्यात आलेल्या विभाग तकार निवारण कक्षाला उद्देशून करण्यात येतील. या समितीची रचना -पदीलप्रमाणे असेल :---

(ख) कुलगुरूने नामनिर्देशित करावयाचा, विद्यापीठ विभागाच्या किंवा विद्यापीठ परिसंस्थेच्या बाहेरील प्राध्यापक----सदस्य :

(ग) विद्यापीठ विभागाच्या किंवा विद्यापीठ परिसंस्थंच्या प्रमुखाने नामनिर्देशित करावयाचा, तक्रार निवारण यंत्रणेमध्ये तरबैज असणारा अध्यापक——-सदस्य-सचिव

(दोन) कक्षाचा अध्यक्ष व सदस्य यांचा पदावधी दोन वर्ष इतका असेल.

(तीन) बैठकीसाठीची गणपूर्ती, अध्यक्षासह दोन इतकी असेल.

(चार) विभाग तक्रार निवारण क्रक्ष, विद्यार्थ्यांच्या तक्रारींवर निर्णय देताना, नैसर्गिक न्यायाच्या तत्वांचे पालन करील.

(पाच) विभाग तक्रार निवारण कक्ष, तक्रार मिळाल्यापासून पंधरा दिवसांच्या कालावधीच्या आत, तक्रारीचे निवारण करौत. वि.त.नि.कक्ष अशा तक्ररीचे प्रमाण कमी करण्याच्या व त्यांना आळा घालणाऱ्या उद्देशाने विद्यापीठाला नियतकालांतराने विविध उपाययोजना सचवील.

(सहा) वि.त.नि.कक्ष, व्यधित व्यक्तीला (व्यक्तींना) आदेशाची प्रत पुरवील.

(२) संस्थात्मक तक्रार निवारण कक्ष (सं.त.नि. कक्ष) :---

(एक) विद्यापीठ विभाग किंवा विद्यापीठ परिसंस्था यांच्याशी संबंधित नसतील अशा तक्रारी आणि विभाग तक्रार निवारण कक्षामध्ये निवारण न झालेली गाऱ्हाणी ही, विद्यापीठाच्या कुलगुरूने घटित करावयाच्या संस्थात्मक तक्रार निवारण कक्षाकडे निर्देशित करण्यात येतील. या कक्षाची रचना पुढीलप्रमाणे असेल :--

(क) प्र-कुलगुरू/अधिष्ठाता/वरिष्ठ प्राध्यापक —— अध्यक्ष ;

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(दोन) संस्थात्मक तकार निवारण कक्षाचा आणि विभाग तकार निवारण कक्षाचा अध्यक्ष एकच असणार नाही. कक्षाच्या सदस्यांचा पदावधी दोन वर्षे इतका असेल.

(तीन) बेठकीची गणपूर्ती, अध्यक्षासह तीन जण इतकी असेल.

(चार) संस्थात्मक तकार निवारण कक्ष, निर्णय घेताना, विभाग तकार निवारण कक्षची शिफारस विचारात घेईल. तथापि, स.त.नि. कक्षाला, वि.त.नि. कक्षाच्या तकारींचे परीक्षण करण्याचा अधिकार असेल.

(पाच) सं.त.नि.कक्ष, तक्रारीवर निर्णय देताना, नैसर्गिक न्यायाच्या तत्वांचे पालन करील.

(सहा) सं.तं.नि. कक्ष, तकार प्राप्त झाल्यापासून पंधरा दिवसांच्या कालावधीच्या आत, तकारीचे निवारण करील. सं.त.नि. कक्ष, अशा तकारींचे प्रमाण कमी होण्याच्या व त्यांना आळा घालण्याच्या उद्देशाने, विद्यापीठाला, नियत कालांतराने विविध उपाय सुचवील.

(सात) संस्थात्मक तक्रार निवारण कक्ष व्यधित व्यक्तीला (व्यक्तींना) आदेशाची एक प्रत पुरवील.

(३) महाविद्यालय तकार निवारण कक्ष (म.त.नि.कक्ष) :----

(एक) महाविद्यालयांच्या/मान्यताप्राप्त परिसंस्थांच्या बाबतीत सर्व तकारी या, सर्वप्रथम महाविद्यालय तकार निवारण कक्षाला उद्देशून करण्यात येतील. या समितीची रचना पुढीलप्रमाणे असेल :---

(ख) महाविद्यालयाच्या प्राचार्याने किंवा मान्यता प्राप्त परिसंस्थेच्या प्रमुखाने नामनिर्देशित करावयाचे दोन वरिष्ठ अध्यापक— - सदस्य.

(दोन) सदस्यांचा पदावधी दोन वर्षे इतका असेल ;

(तीन) बैठकोसाठीची गणपूर्ती हो, अध्यक्षासह दोन जण इतकी असेल ;

(चार) महाविद्यालय तकार निवारण कक्ष, विद्यार्थ्यांच्या गाऱ्हाण्यांवर विचार करताना, नैसर्गिक न्यायाच्या तत्त्वांचे पालन करील ;

(पाच) महाविद्यालय तक्रार निवारण कक्ष, तक्रार मिळाल्यापासून पंधरा दिवसांच्या आत तक्रारीचे निवारण करील. महाविद्यालय तक्रार निवारण कक्ष, अशा तक्रारींचे प्रमाण कमी करण्याच्या व त्यांना आळा घालण्याच्या उद्देशाने व्यवस्थापनाला आणि यथास्थिति विद्यापीठाला नियतकालांतराने विविध उपाययोजना सुचवील ;

(सहा) महाविद्यालय तक्रार निवारण कक्ष, व्यथित व्यक्तीला (व्यक्तींना) आदेशाची एक प्रत पुरवील.

(४) विद्यापीठ तकार निवारण कक्ष (वि.त.नि.कक्ष) :----

R.

(एक) विद्यापीठाविरूद्धच्या तक्रारीच्या आणि महाविद्यालय तक्रार निवारण कक्षाकडून निर्णय न देण्यात आलेल्या तक्रारींच्या बाबतीत, त्या तक्रारी, विद्यापीठ तक्रार निवारण कक्षाकडे निर्देशित करण्यात येतील. या प्रयोजनाकरिता संलग्न विद्यापीठाचा कुलगुरू, एका महाविद्यालयासाठी/मान्यताप्राप्त परिसंस्थेसाठी, किंवा महाविद्यालयाचे (महाविद्यालयांचे)/मान्यताप्राप्त परिसंस्थेचे (परिसंस्थांचे) ठिकाण लक्षात घेऊन, महाविद्यालयांच्या/ मान्यताप्राप्त परिसंस्थोच्या गटासाठी, सहा सदस्यांनी मिळून बनलेली, विद्यापीठ तक्रार निवारण कक्ष घंटित करील. संलग्न विद्यापीठाचा कुलगुरू, विद्यापीठ तक्रार निवारण कक्ष घटित करील व ती पुढील सदस्यांची मिळून बनलेली असेल :--

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E

(दोन) समितीचा अध्यक्ष आणि सदस्य यांचा पदावधी दोन वर्षे इतका असेल.

(तीन) बैठकीची गणपूर्ती, अध्यक्षासह तीनजण इतकी असेल.

(चार) विद्यापीठ तक्रार निवारण कक्ष, विद्यार्थ्यांच्या तक्रारीवर निर्णय देताना नैसर्गिक न्यायाच्या तत्वांचे पालन करील.

(पाच) विद्यापीठ तक्रार निवारण कक्ष, तक्रार मिळाल्यापासून पंधरा दिवासांच्या आत, तक्रारीचं निवारण करील. विद्यापीठ तक्रार निवारण कक्ष, अशा तक्रारींचे प्रमाण कमी करण्याच्या व त्यांना आळा घालण्याच्या उद्देशाने, व्यवस्थापनाला आणि यथास्थिति विद्यापीठाला नियत कालांतराने विविध उपाययोजना सुचवील.

(सहा) विद्यापीठ तक्रार निवारण कक्ष, व्यथित व्यक्तीला (व्यक्तींना) आदेशाची एक प्रत पुरवील.

(५) संस्थात्मक तकार निवारण कक्षाच्या किंवा विद्यापीठ तकार निवारण कक्षाच्या निर्णयाने व्यथित झालेल्या कोणत्याही व्यक्तींस, सहा दिवसांच्या कालावधीच्या आत लोकपालाकडे अपील दाखल करता येईल.

(६) कक्षाच्या कोणत्याही सदस्याच्या विरूद तक्रार करण्यात आली असेल त्याबाबतील, तो संबंधित सदस्य, अशा बाबीवद्वील कार्यवाहीपासून स्वतःला दूर ठेवील.

इ. लोकपाल. — (१) विद्यापीठ, संस्थात्मक तक्रार निवारण कक्षाच्या फिवा विद्यापीठ तक्रार निवारण कक्षाच्या निर्णयाविरुद्धच्या अपिलौवर सुनावणी करण्याकरिता व निर्णय देण्याकरिता एका लोकपालाची नियुक्ती करील.

(२) लोकपाल, विद्यापीठाशी संबंधित नसेल अशी आणि सेवानिवृत्त जिल्हा न्यायाधीश, किंवा सेवानिवृत्त कुलगुरू किंवा सेवानिवृत्त कुलसचिव किंवा सेवानिवृत्त प्राध्यापक किंवा सेवानिवृत्त प्राचार्य यांच्या दर्जापेक्षा कमी दर्जा नसलेली व्यक्ती असेल.

(३) लोकपाल हा, लोकपाल म्हणून नियुक्त होण्याच्या वेळी, अशा नियुक्तीपूर्वीच्या एक वर्षांमध्ये किंवा लोकपाल म्हणून त्यांच्या पदावधीदरम्यान, जेथे त्याचे व्यक्तिगत नाते-संबंध, व्यावसायिक संलग्नता किंवा आर्थिक हितसंबंध यांमुळे त्याला विद्यापीठाबाबतच्या निर्णयशक्तीच्या स्वातंत्र्याशी तडजोड कराबी लागेल अथवा तो तडजोड करीत असल्याचे वाजवीरीत्या दिसून येईल अशा बाबनौत, त्याचा विद्यापीठाच्या हितास

(४) लोकपाल, किंवा त्याच्या जवळच्या कुटुंबातील कोणताही सदस्य,-

(एक) विद्यापीठातील लाभाच्या पदाच्या अशा कोणत्याही पदावर किंवा नोकरीमध्ये मागील एका वर्षामध्ये कोणत्याही परिस्थितीत पद धारण करणार नाही किंवा त्याने पद धारण केलेले असणार नाही ;

(दोन) विद्यापीठाशी वैयक्तिक, कौटुंबिक,व्यावसायिक अथवा आर्थिक संबंधासह कोणताही महत्त्वपूर्ण नातेसंबंध ठेवणार नाही

(तीन) विद्यापीठाच्या प्रशासन किंवा शासनसंरचनेत, कोणत्याही नावाने संबोधण्यात येणारे, विद्यापीठातील कोणतेही पद धारण करणार नाही.

CARDING CONTRACTOR

(५) सार्वजनिक विद्यापीठामधील लोकपालाची नियुक्ती, विद्यापीठाच्या व्यवस्थापन परिषदेच्या मान्यतेने, विद्यापीठाच्या कुलगुरुकडून, शोध R. समितीने शिफारस केलेल्या, पुढील सदस्यांनी मिळून बनलेल्या तीन व्यक्तींच्या नामिकेमधून अंशकालिक तत्त्वावर करण्यात येईल :--

(एक) कुलपतीने नामनिर्देशित केलेला ख्यातनाम शिक्षणतज्ज्ञ-

(रोन) राज्य शासनाने नामनिर्देशित करावयाचा सार्वजनिक विद्यापीठाचा कुलगुरू सदस्य ;

(तीन) संबंधित विद्यापीठाचा कुलगुरू-सदस्य ;

### महाराष्ट्र शासन राजपत्र असाधारण भाग चार-ब, फेब्रुवारी २७, २०१९/काल्गुन ८, शके १९४०

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कालावधीकरिता रिक्त राहणार नाही, याची विद्यापीठाकडून सुनिश्चिती करण्यात येईल आणि अशा, पद रिक्त राहण्याच्या कालावधीत, कुलगुरू, महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ (२०१७ चा महाराष्ट्र अधिनियम क्र.६) द्वारे नियमन करण्यात येणाऱ्या कोणत्याही विद्यापीठातील विद्यमान लोकपालास तात्पुरता प्रभार नेमून देईल.

(७) लोकपालास, प्रकरणांची सुनावणी घेण्याकरिता, वाहतूक खर्चांच्या प्रतिपूर्ती व्यतिरिक्त, विद्यापीठाच्या व्यवस्थापन परिषदेने मान्यता दिल्याप्रमाणे प्रति दिन बैठक फी देण्यात येईल.

(८) लोकपालावरील गैरवर्तनाचे किंवा दुव्यंवहाराचे किंवा उपरोक्त उपखंड (३) व (४) मध्ये नमूद करण्यात आलेल्या कोणत्याही शर्तीचे उल्लंघन केल्याबाबतचे आरोप सिद्ध झाल्यास, विद्यापीठाच्या व्यवस्थापन परिषदेच्या मान्यतेने, कुलगुरू त्यास पदावरुन दूर करील.

(७) लोकपालाचे अधिकार व कर्तव्ये पढीलप्रमाणे असतील:---

E.

(१) लोकपालास, संस्थात्मक तंक्रार निवारण कक्षाच्या किंवा विद्यापीठ तक्रार निवारण कक्षाच्या निर्णयांच्या विरुद्ध करण्यात आलेल्या अपिलांची सुनावणी करण्याचा व त्यावर निर्णय देण्याचा अधिकार असेल.

(२) लोकपाल, उत्तरपत्रिकांचे पुनर्मुल्यांकन किंवा पुनर्गुणांकन याबाबतचे कोणलेही अपील विचारार्थ स्वीकारणार नाही. तथापि, परीक्षेतील गैरव्यवहाराचे मुद्दे व मूल्यांकन प्रक्रिया यासंदर्भातील अपिले लोकपालाकडे निर्देशित करता येतील.

(३) लोकपालास कथित भेदभावाच्या तक्रारींची सुनावणी करण्यासाठी कोणत्याही व्यक्तीचे, न्यायमित्र म्हणून सहाय्य मागता येईल.

(४) लोकपाल, विद्यार्थ्यांकडून अपील प्राप्त झाल्यापासून ३० दिवसांच्या कालावधीच्या आत, तक्रारींचे निवारण करण्याचा सर्वतोपरी प्रयत्न करोल.

८. लोकपाल आणि तकार निवारण कक्ष यांनी तकारीचे निवारण करण्याची कार्यपद्धती.—(१) प्रत्येक विद्यापीठ किंवा महाविद्यालय किंवा मान्यताप्राप्त परिसंस्था यांच्याकडे या, अधिसूचनेच्या प्रसिद्धीच्या दिनांकापासून तीन महिन्यांच्या कालावधीच्या आत, त्यांचे एक संगणकोय (ऑनलाईन) पोटंल असेल, जेथे त्या विद्यापीठाचा किंवा महाविद्यालयाचा किंवा मान्यताप्राप्त परिसंस्थेचा कोणताही व्यधित विद्यार्थी, तकारीचे निवारण करावे यासाठी अर्ज सादर करू शकेल.

(२) कोणतीही तकार प्राप्त झाल्यावर, विद्यापीठ किंवा महाविद्यालय किंवा मान्यताप्राप्त परिसंस्था, ती तकार संगणकीय पोर्टलवर प्राप्त झाल्यापासून १५ दिवसांच्या आत, त्यांच्या अभिप्रायासह, ती तकार समुचित तकार निवारण कक्षाकडे किंवा यथास्थिति, लोकपालाकडे विचारार्थ निर्देशित करील.

(३) तकार नियारण कक्ष किंवा, यथास्थिति, लोकपाल, तक्रारीवरील सुनावणीचा दिनांक निश्चित करून तो त्या विद्यापीठाला किंवा महाविद्यालयाला किंवा मान्यताप्राप्त परिसंस्थेला आणि व्यथित व्यक्तीला कळवील.

(४) व्यधित व्यक्ती एकतर स्वतः हजर राहील किंवा तिच्या खटल्यासाठी हजर राहण्याकरिता प्राधिकृत करण्यात आले आहे अशा, अन्य व्यक्तीला तिचे प्रतिनिधित्व करता येईल जी विधी व्यावसायिक नसेल.

(५) समुचित तक्रार निवारण कक्षामध्ये किंवा कक्षांमध्ये निवारण न झालेल्या तक्रारी लोकपालाकडे विचारार्थ निर्देशित करण्यात येतील.

(६) विद्यापीठ किंवा महाविद्यालय किंवा मान्याताप्राप्त परिसंस्था, तक्रार निवारणाच्या कामात लोकपालास, किंवा यथास्थिति तक्रार निवारण कक्षाला (कक्षांना) सहकार्य करोल आणि तसे करण्यात त्यांनी कसूर केल्यास, लोकपालास किंवा यथास्थिति तक्रार निवारण कक्षाला (कक्षांना) विद्यापीठाच्या कुलगुरुकडे ती बाब कळविता येईल.

(७) कार्यवाही समाप्त झाल्यावर, समुचित तकार निवारण कक्ष किंवा, यथास्थिति, लोकपाल, तक्रारीचे निवारण करण्यासाठी योग्य वाटेल

# महाराष्ट्र शासन राजपत्र असाचारण भाग चार-ब, फेब्रुवारी २७, २०१९/फाल्गुन ८, शके १९४०

(९) विद्यापीठ किंवा महाविद्यालय किंवा, यथास्थिति, मान्यताप्राप्त परिसंस्था लोकपालाच्या शिफारशींचे अनुपालन करील. लोकपालाच्या कोणत्याही शिफारशींचे विद्यापीठाने किंवा महाविद्यालयाने किंवा, यथास्थिति, मान्यताप्राप्त परिसंस्थेने अनुपालन न केल्यास, लोकपाल त्याबाबत विद्यापीठ अनुदान आयोगाला कळवील.

(१०) कोणतीही खोटी किंवा क्षुल्लक तक्रार केलेली असल्यास, लोकपालाला तक्रारकत्यौं विरुद्ध योग्य ती कारवाई करण्याची शिफारस करता येईल.

९. लोकपाल आणि तकार निवारण कक्ष यांबावतची माहिती.— यथास्थिति विद्यापीठ किंवा महाविद्यालय किंवा मान्यताप्राप्त परिसंस्था, तकार निवारण कक्षाच्या (कक्षांच्या) तरतुदी आणि लोकपाल यांच्या बाबतची सविस्तर माहिती, त्यांच्या संकेतस्थळावर टाकील आणि त्यांच्या माहितीपुस्तिकेत ठळक ठिकाणी छापील.

**१०. अनुपालन न केल्याचा परिणाम.**—विद्यापीठ अनुदान आयोगाला, जे कोणी हेतूपुरस्सर या परिनियमाचे उल्लंघन करील अच्चया लोकपालने किंवा यथास्थिति तक्रार निवारण कक्षाने (कक्षांनी) केलेल्या शिफारशीचे पालन करण्यात वारंवार कसूर करील, अशा कोणत्याही विद्यापीठाच्या किंवा महाविद्यालयाच्या किंवा यथास्थिति मान्यताप्राप्त परिसंस्थेच्या बाबतीत, पुढीलपैकी एक वा अनेक कारवाया करता येतील :-

(१) विद्यापीठ अनुदान आयोग अधिनियम (१९५६) (१९५६ चा तीन) कलम १२ ख अन्वयं अनुदान प्राप्त करण्यासाठीच्या पात्रतेची घोषणा मागे घेणे.

(२) विद्यापीठास किंवा महाविद्यालयास किंवा मान्यताप्राप्त परिसंस्थेस यथास्थिति देण्यात येणारे कांणतेही अनुदान रोखून ठेवणे ;

(३) विद्यापीठ अनुदान आयोगाच्या कोणत्याही सर्वसाधारण किंवा विशेष सहाय्य कार्यक्रमांतर्गत कोणतेही सहाय्य देण्यासाठी त्यांना विचारात घेण्याकरिता यथास्थिति विद्यापीठ किंवा महाविद्यालय किंवा मान्यताप्राप्त परिसंस्था यांना अपात्र घोषित करणे ;

(४) यथास्थिति विद्यापीठ किंवा महाविद्यालय किंवा मान्यताप्राप्त परिसंस्था, तक्रार निवारणासाठीचा किमान दर्जा धारण करीत नाही हे घोषित करणारी नोटीस, यथोचित माध्यमांमध्ये ठळक ठिकाणी प्रसिद्ध करून आणि विद्यापीठ अनुदान आयोगाच्या संकेतस्थळावर टाकून, प्रवेशासाठीच्या संभाव्य उमेदवारांसहित सर्वसाधारण जनतेस त्याबावत कळवणे ;

(५) महाविद्यालयाच्या बाबतीत, महाविद्यालयाची संलग्नता काढून घेण्याची आणि मान्यताप्राप्त परिसंस्थेच्या बाबतीत तिची मान्यता काढून घेण्याची संलग्न विद्यापीठाला शिफारस करणे :

(६) बिद्यापीठाच्या बाबतीत, आवश्यक आणि समुचित कारवाई करण्याची संबंधित राज्य शासनाला शिफारस करणे.

(७) अनुपालन न केल्याबाबत कांणत्याही विद्यापीठाच्या किंवा महाविद्यालयाच्या किंवा मान्यताप्राप्त परिसंस्थेच्या विरुद्ध आवश्यक आणि समुचित कारवाई करणे:

परंतु, विद्यापीठास आपली स्थिती स्पष्ट करण्याची आणि त्याचे म्हणणे मांडण्याची संधी देण्यात आल्याखेरीज या परिनियमाअन्वये विद्यापीठ अनुदान आयोगाकडून कोणतीही कार्यवाही केली जाणार नाही.

महाराष्ट्राचं राज्यपाल यांच्या आदेशानुसार व नावाने,

सिद्धार्थ खरात, शासनाचे सहसचिव.

Nº.

## महाराष्ट्र शासन राजपत्र असाधारण भाग चार-ब, फेब्रुवारी २७, २०१९/फाल्गुन ८, शके १९४०

T. A.

## HIGHER AND TECHNICAL EDUCATION DEPARTMENT,

Madam Cama Marg, Hutatma Rajguru Chowk, Mantralaya, Mumbai 400 032, dated the 25th February 2019.

### NOTIFICATION

MAHARASHTRA PUBLIC UNIVERSITIES ACT, 2016.

No. Parini-2018/CR-125/Vishi-2.—In exercise of the powers conferred by sub-section (10)of section 72 read with sub-section (11) of section 71 and clause (b) of sub-section (2) of section 56 of the Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017), the Government of Maharashtra hereby prescribes the Uniform Statute relating to the functional mechanism of working of the Students' Grievance Redressal Cell, namely:—

### UNIFORM STATUTE No. 5 OF 2019

1. Short Title.—This Statute may be called the Maharashtra Public Universities (Functional Mechanism of Working of Students' Grievance Redressal Cell) Uniform Statute, 2019.

2. Definitions .- (1) In this statute unless the context otherwise requires,-

(i) "aggrieved student" means a student who has any complaint in the matter concerned with the grievances defined under this statute and includes a person seeking admission to a university or college or recognized institution of higher education;

(ii) "declared admission policy" means such policy for admission to a course or program of study as may be offered by the university or college or recognized institution and published in the prospectus ;

(iii) "grievances" include the following complaints of the aggrieved students, namely :--

(a) making admission contrary to merit determined in accordance with the declared admission policy of the State and university ;

(b) irregularity in the admission process by the university or college or recognized institution;

(c) refusing admission in accordance with the declared admission policy as published in prospectus ;

(d) non-publication of prospectus either hard copy or online, as specified in para 3 of this Statute ;

(e) publishing any information in the prospectus, which is false or misleading, and not based on facts ;

(1) withhold or refuse to return any document in the form of certificates of degree, diploma or any other award or other document deposited with the university or college or recognized institution by a person while seeking admission in such university or college or recognized institution, with a view to induce or compel such person to pay any fee or fees in respect of any course or program of study which such person does not intend to pursue;

(g) demand of money in excess of that specified in the declared admission and

महाराष्ट्र शासन राजपत्र असाधारण भाग चार-व, फेब्रुवारी २७, २०१९/फाल्गुन ८, शके १९४०

(j) complaints of alleged discrimination of students on the grounds of gender, race, caster class, creed, place of birth, religion and disability;

(k) non-payment or delay in payment of scholarships to any student by the university or college or recognized institution after receiving the same from concerned authority;

(I) non-adherence of rules of refund of fees in case of cancellation of admission;

(m) undue delay in conduct of examinations or declaration of results beyond that specified in the academic calendar;

(n) failure to provide student amenities as may have been promisedor required to be provided by the university or college or recognized institution ;

(o) non-transparent or unfair evaluation practices ;

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(iv) "Department Grievance Redressal Cell (DGRC)" means a Cell constituted under this Statute, at the level of a university department or university institution as prescribed in sub-para (1) of para 5;

(v) "Institutional Grievance Redressal Cell (IGRC)" means a Cell constituted under this Statute, at the level of the university as prescribed in sub-para (2) of para 5;

(vi) "College Grievance Redressal Cell (CGRC)" means a Cell constituted under this Statute, at the level of a college or recognized institution, as the case may be as prescribed in sub-para (3) of para 5;

(vii) "University Grievance Redressal Cell (UGRC)" means a Cell constituted under this Statute, at the level of the university as prescribed in sub-para (4) of para 5;

(viii) "office of profit" means an office which is capable of yielding a profit or pecuniary gain, and to which some pay, salary, emolument, remuneration or non-compensatory allowance is attached ;

(ix) "Ombudsperson" means the Ombudsperson appointed under this Statute.

(2) Words and expressions used but not defined in this Statute shall have the same meanings respectively assigned to them in the Maharashtra Public Universities Act, 2016 (Mah. Act No VI of 2017).

3. Mandatory publication of prospectus, its contents and pricing .--

(1) Every university or college or recognized institution shall publish and upload on its website, before expiry of at least sixty days prior to the date of commencement of the admission process to any of its courses or programs of study, a prospectus containing the following for the information of person intending to seek admission to such university or college or recognized institution and the general public, namely:---

(i) the list of programs of study and courses offered along with the broad outlines of the syllabus specified by the appropriate statutory authority or by the university, as the case may be, for every course or program of study, including teaching hours, practical sessions and other assignments;

(ii) each component of the fee, deposits and other charges payable by the students admitted to such university or college or recognized institution for pursuing a course or program of study, and the other terms and conditions of such payments

## महाराष्ट्र शासन राजपत्र असाधारण भाग चार-ब, फेब्रुवारी २७. २०१९/फाल्गुन ८, शके १९४०

(iv) the conditions of educational qualifications and eligibility including the minimum and maximum age limit of persons for admission as a student to a particular course or program of study, specified by the university or college or recognized institution;

(v) the process of selection of eligible candidates applying for such admission, including all relevant information in regard to the details of test or examination for selecting such candidates for admission to each course or program of study and the amount of fee prescribed for the admission test;

(vi) rules or regulations for imposition and collection of any fines specified heads or categories, minimum and maximum fine may be imposed.

(vii) the percentage of tuition fee and other charges refundable to a student admitted in such university or college or recognized institution in case student withdraws from such university or college or recognized institution before or after completion of course or program of study and the time within and the manner in which such refund shall be made to that student;

(viii) documents to be submitted at the time of admission;

(ix) details of the teaching faculty, including their educational qualifications, alongwith the category they belong to Regular or Visiting and teaching experience of every member of its teaching faculty;

(x) information with regard to physical and academic infrastructure and other facilities including hostel accommodation, library and hospital or industry wherein the practical training to be imparted to the students and in particular the facilities accessible by students on being admitted to the university or college or recognized institution ;

(xi) all relevant instructions in regard to maintaining the discipline by students within or outside the campus of the university or college or recognized institution;

(xii) clear demarcation of aided and un-aided courses;

(xiii) any such information as the university or college or recognized institution may deem fit.

(2) The university or college or recognized institution shall publish or upload information referred to in sub-para(1) above, on its official website, and inform prospective students and the general public by giving wide publicity in newspapers and through other media.

(3) The university or college or recognized institution shall fix the price of each printed copy of the prospectus including admission form, being not more than the reasonable cost of its publication and distribution, and no profit be made out of the publication, distribution or sale of prospectus.

4. Exclusion to Entertain Grievances.—Grievances relating to subject matters governed by any Statutory Mechanism evolved by the State Government for which grievance redressal mechanism has specifically been provided under the relevant State Act, shall not be entertained by the Grievances Redressal Cells or the Ombudsperson.

5. Grievance Redressal Cells .- (1) Department Grievance Redressal Cell (DGRC)

(i) In case of universities, all complaints relating to university department or university institution shall first be addressed to Department Grievance Redressal Cell (DGRC) to be constituted at the level of university department or university institution composition of university department.

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# महाराष्ट्र ज्ञासन राजपत्र असाधारण भाग चार-ब, फेब्रुवारी २७, २०१९/फाल्गुन ८, ज्ञके १९४०

(iii) The quorum for the meeting shall be two, including Chairperson.

(iv) The DGRC shall follow the principles of natural justice while deciding the grievances of the students.

(v) The DGRC shall resolve the grievance within period of fifteen days of receiving the complaint and shall submit its report to the head of the department or head of the institution, as the case may be.

(vi) The DGRC shall provide a copy of the order to the aggrieved person(s).

(2) Institutional Grievance Redressal Cell (IGRC) :

(i) The complaints not related to university department or university institution and the grievances not resolved at the DGRC shall be referred to the Institutional Grievance Redressal Cell (IGRC) to be constituted by the Vice-Chancellor of the university, composition of which shall be as follows:--

(a) Pro-Vice Chancellor / Dean / Senior professor - Chairperson.

(b) two senior professors other than Chairperson - Member

(c) one Senate member from the constitutency of registered graduates - Member

(d) Director, Students' Development -Member Secretary.

(ii) The Chairperson of IGRC and DGRC shall not be the same. The tenure of the Cell members shall be two years.

(iii) The quorum for the meetings shall be three, including Chairperson.

(iv) The IGRC shall consider the recommendation of DGRC while taking the decision. However, the IGRC shall have the power to review recommendations of the DGRC.

(v) The IGRC shall follow the principles of natural justice while deciding the grievances.

(vi) The IGRC shall resolve the grievance within period of fifteen days of receiving the complaint. The IGRC shall suggest periodically to the University, different ways and means to minimize and prevent such grievances.

(vii) The IGRC shall provide a copy of the order to the aggrieved person(s).

(3) College Grievance Redressal Cell (CGRC):

(i) In case of colleges or recognized institutions, all complaints shall first be addressed to College or Recognized institution Grievance Redressal Cell (CGRC) composition of which shall be as follows.—

(a) Principal of the college or head of the recognized institution-Chairperson;

(b) two senior faculty members nominated by the Principal of the College, or head of the recognized institution;

(ii) The tenure of the members shall be two years.

(iii) The quorum for the meeting shall be two, including Chairperson.

(iv) The CGRC shall follow the principles of natural justice while considering the grievances of the students.

(v) The CGRC shall resolve the grievance within period of fifteen days of receiving the complaint. The CGRC shall suggest periodically to the Management and University, as the case may be different ways and means to minimize and prevent such grievances.

(vi) The CGRC shall provide a copy of the order to the aggrieved person(s).

(4) University Grievance Redressal Cell (UGRC):

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of the six members for an individual college or recognized institution or a group of college or recognized institution keeping in view the location of the college or recognized institution. The UGRC shall be constituted by the Vice-chancellor of the university consisting of:--

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(a) Pro-Vice Chancellor / Dean / Senior professor - Chairperson;

(b) three Principals from amongst the members of the Senate, of whom one shall be a woman and one shall be from Scheduled Castes or Scheduled Tribes or Denotified Tribes or Nomadic Tribes or Other Backward Classes;

(c) one member of the Senate from the constituency of registered graduates;

(d) Director, Students' Development - Member Secretary.

(ii) The Chairperson and members of the Cell shall have a term of two years.

(iii) The quorum for the meeting shall be three, including Chairperson.

(iv) The UGRC shall follow the principles of natural justice while deciding the grievance of the students.

(v) The UGRC shall resolve the grievance within a period of fifteen days of receiving the complaint. The UGRC shall suggest periodically to the Management and University, as the case may be different ways and means to minimize and prevent such grievances.

(vi) The UGRC shall provide a copy of the order to the aggrieved person(s).

(5) Any person aggrieved by the decision of the Institutional Grievance Redressal Cell or University Grievance Redressal Cell may within a period of six days prefer an appeal to the Ombudsperson.

(6) In case the grievance is against any member in the Cell, the concerned member shall abstain himself from the proceeding on such issue.

6. Ombudsperson.-(1) The university shall appoint an Ombudsperson to hear and decide the appeals against the decisions of the Institutional Grievance Redressal Cell or University Grievance Redressal Cell.

(2) The Ombudsperson shall be a person not related to the university and who is a judge not below the rank of retired District Judge or a retired Vice-Chancellor or a retired Registrar or a retired Professor or a retired Principal.

(3) The Ombudsperson shall not, at the time of appointment during one year before such appointment or in the course of his tenure as Ombudsperson be in a conflict of interest with the university where his personal relationship, professional affiliation or financial interest may compromise or reasonably appear to compromise, the independence of judgement towards the university.

(4) The Ombudsperson, or any member of his immediate family shall not-

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(i) hold or have held at any point in the past, any post or employment in the office of profit in the university;

(ii) have any significant relationship, including personal, family, professional or financial, with the university;

(iii) hold any position in university by whatever name called, in the administration or governance structure of the university.

(5) The Ombudsperson in the university shall be appointed by the Vice-Chancellor of the university, with the approval of the Management Council of the university, on part-time basis from a panel of three names recommended by the Search Committee consisting of the following members, namely:--

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(6) The Ombudsperson shall be a part-time officer appointed for a period of three years, from the date he resumes the office and may be re-appointed for another one term in the same university. It shall be ensured by the university that the office of Ombudsperson shall not remain vacant for a period more than three months and within such period of vacancy, the Vice-Chancellor shall assign temporary charge to the sitting Ombudsperson from any of the universities governed by the Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017).

(7) The Ombudsperson shall be paid the sitting fee per day as approved by the Management Council of the University for hearing the cases, in addition to reimbursement of the conveyance.

(8) The Ombudsperson may be removed on charges of proven misconduct or misbehaviour or for violation of any of the conditions mentioned in sub-clauses (3) and (4) above, by the Vice-Chancellor with the approval of the Management Council of the University.

7. Powers and Functions of Ombudsperson.—(1) The Ombudsperson shall have power to hear and decide appeals against the decisions of the Institutional Grievance Redressal Cell or University Grievance Redressal Cell.

(2) No appeals for revaluation or remarking of answer sheets shall be entertained by the Ombudsperson. However, appeals relating to issues of malpractices in the examination and evaluation processes may be referred to the Ombudsperson.

(3) The Ombudsperson may seek an assistance of any person as amicus curiae, for hearing complaints of alleged discrimination.

(4) The Ombudsperson shall make all efforts to resolve the grievances within a period of 30 days of receiving an appeal from the student.

8. Procedure for Redressal of Grievances by Ombudsperson and Grievance Redressal Cell-(1) University or college or recognized institution shall, within a period of three months from the date of issue of this notification, have an online portal where any aggrieved student of that university or college or recognized institution may submit an application seeking grievance redressal.

(2) On receipt of any online complaint, the university or college or recognized institution shall refer the complaint to the appropriate Grievance Redressal Cell or the Ombudsperson, as the case may be, along with its comments within 15 days of receipt of complaint on online portal.

(3) The Grievance Redressal Cell or the Ombudsperson, as the case may be, shall fix a date for hearing the complaint which shall be communicated to the university or college or recognized institution and the aggrieved person.

(4) An aggrieved person may appear either in person or be represented by such person other than legal practitioner, as may be authorized to present his case.

(5) The grievances not resolved at the appropriate Grievance Redressal Cell(s) shall be referred to the Ombudsperson.

(6) The university or college or recognized institution shall co-operate with the Ombudsperson or the Grievance Redressal Cell(s), as the case may be, in redressal of grievances and failure to do so may be reported by the Ombudsperson or Grievance Redressal Cell(s), as the case may be, to the Vice-Chancellor of the university.

(7) On the conclusion of proceedings, appropriate Grievance Redressal Cell or the Ombudsperson, as the case may be, shall pass such order, with reasons for such order, as may be deemed fit to redress the grievance and provide such relief as may be desirable to the affected party at issue, after giving due hearing to both the parties.

(8) Every order under the signature of the Ombudsperson or Chairperson of the appropriate

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(9) The university or college or recognized institution, as the case may be, shall comply with the recommendations of the Ombudsperson. Any recommendations of the Ombudsperson not complied with by the university or college or recognized institution, as the case may be, shall be reported by the Ombudsperson to the University Grants Commission.

(10) In case of any false or frivolous complaint, the Ombudsperson may recommend appropriate action against the complainant.

9. Information Regarding Ombudsperson and Grievance Redressal Cell.—The university or college or recognized institution, as the case may be, shall provide detailed information regarding provisions of Grievance Redressal Cell(s) and Ombudsperson on their website and in their prospectus prominently.

10. Consequences of Non-Compliance.—The University Grants Commission, in respect of any university or college or recognized institution, as the case may be, which wilfully contravenes this Statute or repeatedly fails to comply with the recommendation of the Ombudsperson or the Grievance Redressal Cell(s), as the case may be, may proceed to take one or more of the following actions, namely:—

(1) Withdrawal of declaration of fitness to receive grants under section 12B of the University Grants Commission Act, 1956 (3 of 1956);

(2) Withholding any grant allocated to the university or college or recognized institution, as the case may be;

(3) Declaring the university or college or recognized institution, as the case may be, ineligible for consideration for any assistance under any of the general or special assistance programmes of the University Grants Commission;

(4) Informing the general public, including potential candidates for admission, through a notice displayed prominently in suitable media and posted on the website of the University Grants Commission, declaring that the university or college or recognized institution, as the case may be, does not possess the minimum standards for redressal of grievances;

(5) Recommend to the affiliating university for withdrawal of affiliation, in case of a college and withdrawal of recognition in case of recognized institution;

(6) Recommend to the concerned State Government for necessary and appropriate action; in case of a university;

(7) Take necessary and appropriate actions against any university or college or recognized institution, as the case may be, for non-compliance :

Provided that no action shall be taken by the University Grants Commission unless the university or college or recognized institution, as the case may be, has been given an opportunity to explain its position and an opportunity of being heard has been provided to it.

By order and in the name of the Governor of Maharashtra,

SIDDHARTH KHARAT,

### SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE

Official Publication of Sant Gadge Baba Amravati University

PART-ONE

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### Thursday, the 11th July, 2019

#### Direction

No. 16/2019

Dated :- 11/7/2019

# Subject :- Reassessment of answerbook/s of examinees without obtaining photocopy/ies of answerbook/s on their demand- Direction -2019

Whereas, the examinees are permitted to apply for reassessment of answerbooks after obtaining Photocopy/ies of Answerbooks as per Ordinance No. 16 of 2007 and also the examinees are permitted to apply for reassessment of answerbooks of examinees without obtaining Photocopy of Answerbooks as per Direction No. 66 of 2010 (main Direction) read with Direction No. 11 of 2015, Direction No. 24 of 2015 and Direction No. 22 of 2016.

#### AND

Whereas the Board of Examination & Evaluation vide Item No. 13 ( $\overline{\sigma}$ ) in its meeting held on 5/2/2019 taking into account the decision of the Hon'ble High Court, Mumbai, Nagpur Bench, Nagpur vide writ petition no. 4564 of 2018 dated 4/9/2018, striking down Direction No. 24 of 2015, accepted to exclude the said Direction.

#### AND

Whereas, the main Direction No. 66 of 2010 has been amended time to time by the Directions mentioned above, and recently the Maharashtra Public Universities Act, 2016 came into force, it is necessary to issue a fresh Direction consolidately all these Directions by including the decision of the Board of Examination & Evaluation.

#### AND

Whereas, the Hon'ble Vice -Chancellor has accepted the decision of Board of Examination & Evaluation, u/s 12(7) of the Maharashtra Public Universities Act, 2016, on behalf of the Academic Council and Management Council, as the matter is to be regulated by prescribing the ordinance.

#### AND

Whereas, the procedure of prescribing the ordinance u/s 74 of the Maharashtra Public Universities Act, 2016, is time consuming

#### AND

Whereas, the applications of Reassessment are being received from students of Summer - 2019 examination, which are to be deals as per the decision of the Board of Examination and Evaluation.

I, therefore, Dr. Murlidhar Chandekar, Vice-Chancellor, Sant Gadge Baba Amravati University, Amravati in exercise of powers conferred upon me under Sub-section(8) of Section 12 of Maharashtra Public Universities Act, 2016, hereby issue the Direction as under :-

1. This Direction may be called " Reassessment of answerbook/s of examinees without obtaining photocopy/ies of answerbook/s on their demand- Direction -2019"

2. This Direction shall come into force with effect from the date of its issuance.

3. In this Direction, unless the context otherwise requires -

(a) "Act" means Maharashtra Public Universities Act, 2016

(b) The "University" means the Sant Gadge Baba Amravati University.

(c) The "48(5)(a) Committee" means a Committee constituted by the Board of Examinations and Evaluation in accordance with the provision of Clause (a) of Sub Section (5) of Section 48 of the Act 2016.

(d) "Direction" means a Direction issued by the Hon'ble Vice-Chancellor under Section 12 (8) of the Act.

(e) "Examinee" means an examinee who has appeared for the current examinations/s conducted by the University.

(f) "Answer book/s" means the answer book/s used by an examinee for the theory paper/s of the current examination conducted by the University.

(g) "Reassessment" means the reassessment of the Answerbook(s) of examinees without obtaining photocopy/ies of Answerbooks on their demand from the University.

4. The examinee may seek for re-assessment of his/her Answer-book/s without obtaining the photocopy/ies of Answer-book/s in maximum two subjects /theory papers. The examinee availing facility under this Direction shall not be eligible to avail any facility of Ordinance No. 16 of 2007 in any case, even if, he/she applied for reassessment of only one paper, under this Direction.

And also the examinee availing facility of Ordinance No. 16 of 2007 only for one paper shall not be eligible to avail facility of this direction in any case.

- 5. The examinee shall have to apply only by making online application on the University Website and take out hard copy of the same. The hard copy of application form shall be submitted in the Confidential Section of Sant Gadge Baba Amravati University within 15 days from the date of publication of declaration of general result of that examination alongwith the following documents :
  - a) Receipt of non-refundable fees of Rs. 200/- per paper to be paid in cash or Demand Draft drawn in favour of the The Finance & Accounts Officer, Sant Gadge Baba Amravati University or by online payment system.
  - b) Original mark-sheet of concerning examination.

Late and /or incomplete application form in any respect shall be rejected and fees paid for the same shall not be refunded on any pretext.

- 6. Appointment of Examiners for reassessment shall be made from the list of examiners recommended by 48 (5)(a) committee and approved by the Board of Examination and Evaluation. The answerbook/s for reassessment shall be reassessed by the valuers other than original valuer who had valued them initially.
- 7. The Subjectwise / Paperwise total lot of answer-book/s for reassessment shall be masked, concealing all the marks and/ of the identity of an examinee as well as the marks awarded by the original examiner in accordance with the provisions of the concerned Ordinance/ Scheme.
- 8. Answer-book/s received for reassessment shall be handed over to the Chief Office, CAP Centre and he shall get the answer book/s assessed by the Subsequent examiner/s from the panel of examiners of the concerned subject and approved by the Board of Examination and Evaluation. Such subsequent examiner shall not be the original examiner.

Provided further that in respect of answer-books not covered in the above provision or in case of urgency, or if it is expedient; he may get the assessment done by the teacher's from the subject expert from the University or and other University with the prior permission of the Vice-Chancellor.

- 9. The remuneration for reassessing the answer book/s by the examiner/s shall be prescribed by the University and shall be entitled for T.A.& D.A. as per the rates, laid down in Central Assessment Programme System.
- 10. If the marks awarded by the subsequent examiner vary/deviate on either side, by less than 4 percent (including 4 percent) of the total marks prescribed, determined on the basis of marks given in the original result then the original marks of the applicant examinee shall remain unchanged and "no-change" result shall be communicated to him/her by the University.

- 11. If the marks awarded by the subsequent examiner vary/deviate on either side by more than 5 percent (including 5 percent) of the total marks prescribed and less than 15 percent (including 15 percent) of the total marks prescribed, determined on the basis of marks given in the original result then the original marks of the applicant examinee shall be changed and marks awarded by subsequent examiner shall be awarded to the examinee.
- 12. If the marks awarded by the subsequent examiner vary/deviate on either side by more than 16 percent (including 16 percent) of the total marks prescribed then the answerbook/s shall be reassessed by the second subsequent examiner and the mean of the higher two examiners be considered to award the marks to the examinee.
- 13. If there occurs any fraction in calculating percentage of marks or total marks, the fraction of mark shall be converted into next higher integer.

Provided that the marks of an examinee who has secured Pass or more marks in original evaluation, shall not get lowered in any case than the level of Pass marks after redressal in the paper concerned.

provided further that if the examinee has appeared in succeeding examination in the subject/s or paper/s in which he/she has applied for redressal or reassessment and the result of redressal or reassessment is declared later-on, the examinee shall be awarded the higher marks scored by him/her either in reassessment or in succeeding examination.

- 14. The change of marks after reassessment, if any, shall be communicated to the applicant/s and revised statement of marks shall be given to him/her by the Asstt. Registrar (Exam.) of the University.
- 15. The whole process of reassessment shall be completed as far as possible, ordinarily within a period of sixty days from the due date of the receipt of application for the reassessment.
- 16. After the preparation of the result/s the cases of reassessment having deviation on either side by more than 25 percent of the total marks prescribed shall be referred to 48(5)(a) committee to verify and ascertain the negligence if any, on the part of examiner/s. Such case/s shall be recommended to Board of Examination and Evaluation for necessary action. The decision of the Board of Examination and Evaluation regarding the same shall be final.
- 17. After reassessment if there is a change in the result of an examinee, he/she may be permitted, if eligible for seeking admission to next higher class OR avail the facility of the provision of A.T.K.T. within 10 days from the date of communication of the result to him/her. The concerned examinee shall have to seek special permission for admission from the Vice-Chancellor through the Principal of the college.

Provided that, if the examinee has applied for reassessment, he/she shall be permitted to seek provisional admission to next higher class. After reassessment, if he/she is eligible for admission, his/her admission shall be confirmed. In case, if he/she is not eligible for admission to next higher class, his/her provisional admission shall stand cancelled and the fees paid by the candidate shall be refund.

 The Direction No. 66/2010, Direction No. 11/2015, Direction No. 24/2015 and Direction No. 22/2016 are hereby repealed.

> Sd/-(Dr. Murlidhar Chandekar) Vice-Chancellor Sant Gadge Baba Amravati University

Date :- 04/7/2019

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# **ARTS AND COMMERCE COLLEGE, JARUD**

Tah. Warud, Dist. Amravati - 444 908

Website : artscollegejarud.org., E-mail : accjarud@gmail.com (College Code :137)

### NAAC Accredited 'B' Grade

President Shri Harshwardhan Deshmukh Shri Shivaji Education Society, Amravati

Principal Dr. G. R. Tadas M.A.(Econamics),M.Phill,Ph.D. Founder President Dr.Panjabrao alias Bhausaheb Deshmukh M.A., D.Phill.,L.L.B.Bar-at-Law

Date : .....

## Student Grievance and Redressal - 2021-22

- Dr. G. R.Tadas
   Dr.R.T.Kulsange
- 3 Dr.S.M.Jadhao
- 4 Dr.V.H.Bhatkar
- 5 Shri.S.V.Kale
- Chairman Co-Ordinater Member Member Member

Principal



Star Stars JETER, Concerning and Stars Stars JETER, COMMERCE COLLEGE 27 AUD TA VICE UD DIST.AMRAVATI MARCE COLLEGE 27 AUD TA VICE UD DIST.AMRAVATI MARCE COLLEGE VIEW AND COL E-mail : accjarud@gmail.comCollege viebblic : why w. An scollegejarud.org Fax No.07229-246032

Ref. No - 21

Dr. Panjabrao Deshmukh Founder President Shri. Harshwardhan Deshmukh President Principal Dr.Devanand V. Atakare Ph. (07229) 246032 246033 Date: 11 - 1 - 19

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प्रति, मा.संचालक, परिक्षा व मुल्यमापन मंडळ, संत गाडगेबाबा अमरावती विदयापीठ, अमरावती.

विषय— उन्हाळी २०१८ बी. ए. भाग १ (सेमिस्टर २) परिक्षेतीला खालील विदयार्थ्यीनींचे अंतर्गत गुणदान पुनश्च पाठविण्याबाबत.

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उपरोक्त विषयांन्वये आमच्या मङविदयाख्याचे उन्हार्क्त २०१८ बी. ए. भाग १ (सेमिस्टर २) परिक्षेतील खालील विदयार्थ्यांनींना इतिहास का विषयाच्या अत्यांत गुणदान तक्त्यामध्ये अनावधानाने अनुपस्थित दाखविण्यात आले आहे. सदर विदयाशांवीचे सुधारीत अंतर्गत गुणदान खालीलप्रमाणे असून आपणाकडे पुढील कार्यवाहीसाठी सादर करण्यात्त येत आहेत. कृपया स्विकारून उपकृत करावे, ही विनंती.

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१) मूळ अंतर्गत गुणदान तक्ता

२) गृहपाठाच्या छायाप्रती (एकूण ३प्रती)

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DR. A. B. KUKADE Co-ordinator, IQAC Arts & Commerce College, Jarud

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

आपला विश्वास् (डॉ.डी.व्ही.अतकरे)

प्राधार्यं कला, वाणिज्य महाविद्यालय जरुड, ता. वरुड, जि. अमरावती.

Page Ma D Com: 1 1 पति, प्राचायें आहेब कता व वालिक्य महाविद्यालय जरुड ता. नकेड, जि. आमरावती दुष्काळग्रस्त विख्यार्थी परिसाग्तक विषय -(4) alouraria ( 927 कु नेष्ठावी अशोकशव खाम्हने अलेबाइ ÷ ... वर्ग जी. ए. भाग -मेमी 1 1 HJ. महोदय आपगास निनती पुर्वन अने 9787 करते की, मी. बी. ए 41721 सेमी 41 विष्यायीनी असून Tã 18-12-2018 rol पर्शा भुल्कु छ. ३१९ 4 श्वरा (तिनर) सरलेल जाह, तरी 71401121 विनेते भरते को, मी दुष्फाळग्रस्त 1962112 अस्न भरतेले अल्क उत्रेष परन याने ही निसंती 60417 आपकी लम् विंख्याधीनी 0.7 क रेणवी अ ज्ञाम्हो LANS 12.10-1-2019 see Aris & Commerce College Jarud, Ta. Warud, Dist. Amravati 7020471457. Principal R. A. B. KUKADE Arts & Commerce College Co-ordinator, Jarud, Ta. Warud, Dist. Amravati IQAC Commerce College, Jarud

Brice Date: / अप प्रति, प्राचार्य 8-12 कला व वार्विज्य महाविस्वालय जहुड ता. वक्षर, जि. अमरावनी विषय:- हब्काळग्रस्त विल्यायी परिसाश्चल्फ परत मिळव्यावावत अर्जवार:- कु. अन्नजा अनिलरात निनचेडे वर्ग. बी. हु? माग - 2 रोमी TV मा, महोक्य, आपनांस विनंती प्रुवेश झर्ज सादर करने की, मी बी. ए. माग 2 रोमी IV विखायीती अभून दिः 02-01-2019 ला परिका खुल्फ 315 छ. (निनर्भ) पंधरा इपये) मैरलेले आहे. तरि आपनास् विनंती करते की, हल्काळग्रस्त विक्यार्थीनी असून मी अभावेले व्यालम 315 %. परन देव्यास विर्वती. शाव 18 13000: Mas 19. 12/01/2019 0197 निनचेडे g. 312011 37. Arts & Commerce College Jarud, Ta. Warud, Dist. I. mravati A.A.Tinkhede IK. A. Principal Co-ordinator, Arts & Commerce College IQAC Commerce College, Jarud Jarud, Ta. Warud, Dist. Amravati

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Date: 07 01. 2019

Ref. No 1905/2019

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मा.संचालक,

परिक्षा व मुल्यमापन मंडळ, संत गाडगेबाबा अमरावती विदयापीठ, अमरावती.

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२. कु. कांचन सोपानराव नथीले रोल नं. २५४६८

३. कु. मयुरी साहेबराव घाटवडें रोल गं. २५४७१

४. कु. पुजा सुधाकरराव विंचुरकर रोल नं. २५४७७

५. मंगेश सुधाकरराव ईवनाते रोल नं. २५५५५

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आपला विश्वासू

(डॉ.डी.ली.अतकरे) Principal

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravaji

सहपत्र -

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DR. A. Co-ordinator IQAC Arts & Commerce College, Jarud

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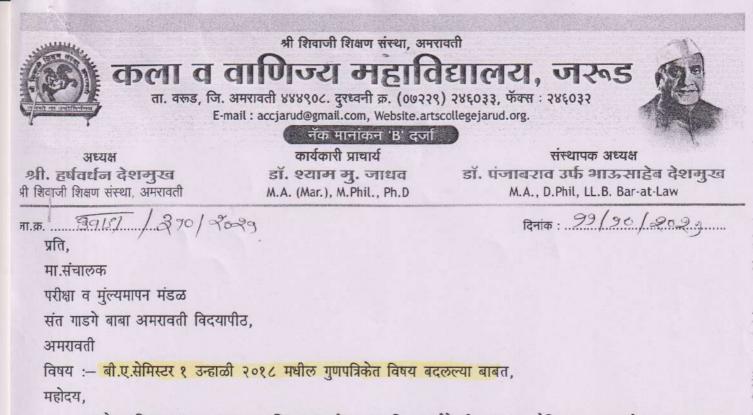
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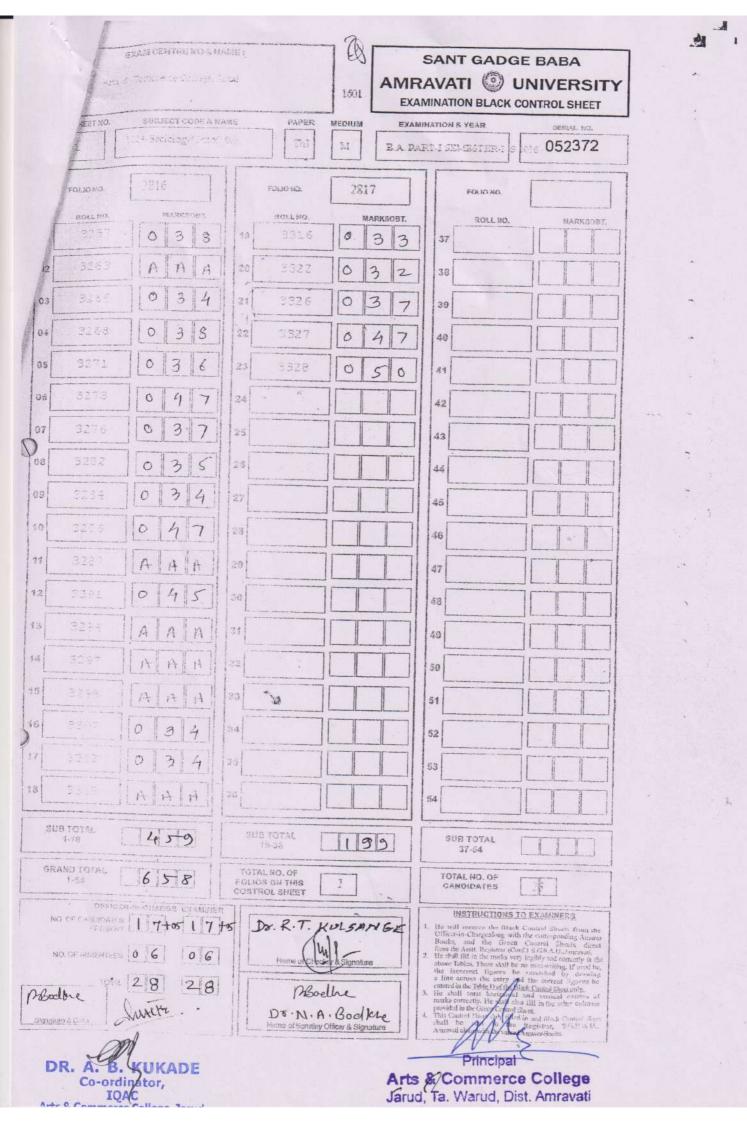
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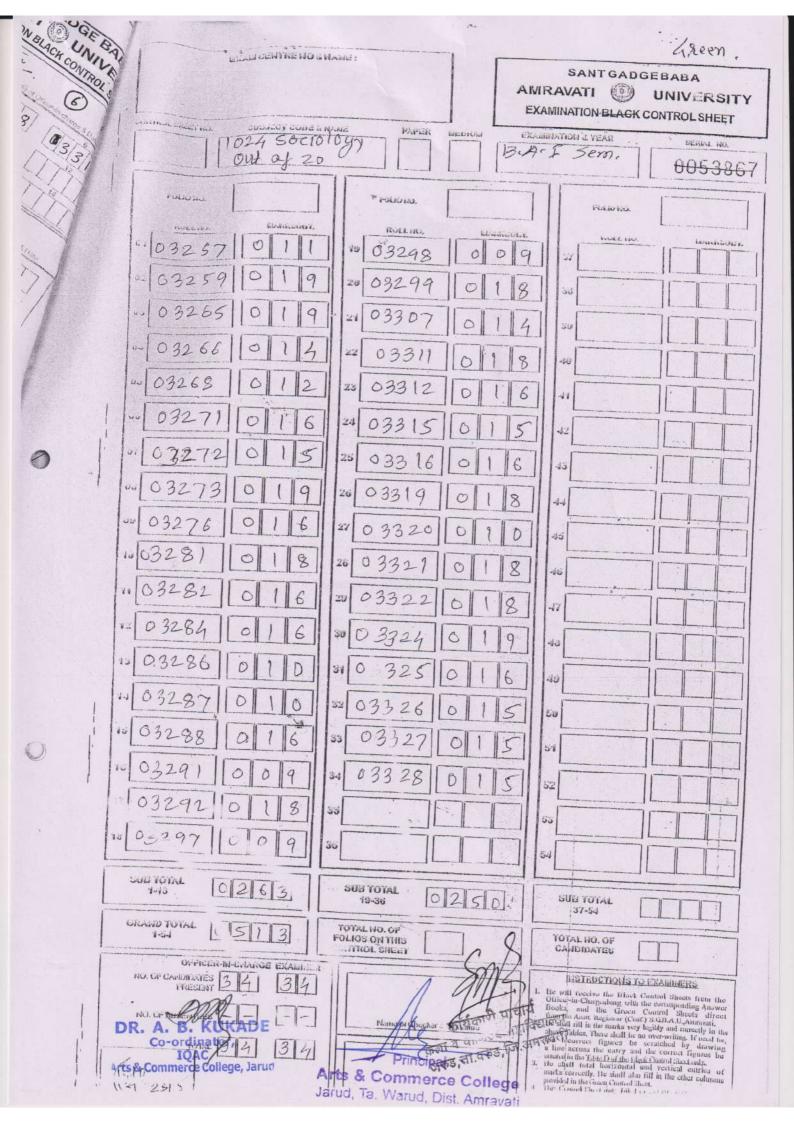
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Pope No. Dote: / / 6000000 aH कुला वानिल्हा सहा. (तरुड प्राचार विवर्शः वी,ए, ATHACZ 3081001 2018 शा भूगणहांक तोल विषरा वादलल्या खाबद महोतर := वरिल्मुमार्ग माइला गुगणरीक्तान K-SIE DIHILY राखिशास्त्र हा (वल) 10 Qel छाद मतून अलिला 3/18 महाविल्यालयात्रील 3/0/00 H 101103 ROTT, 100 संवित विकामिकामहर 21221 9 2G 5 1931) JIHEE 247 UTSEAT AP -187110-211-27 वलल नवेक्शान्ते ! 21 SME U SICH ZTORA 3014811 त YATOT (BIRD ST < Idrar 子 164 9-20217 binet <1 127 तार Idants Joyz 3151 केरत वारेल दस्तारोवल 103 pazit <r14 HIZEN 2001 TENET गुणपत्तिता elago HADICI सीमेकरट् 181 3,4,5,6 2, HERI अस्तुम C 121 HISEIT 05-3 4211920 2112-21121 150 TOTAR 10 SILE परत 6) GIT परात माइरास ारेपरा Toverer 1 = BATTEDHAN टादलत जाहा a USA HIS æI 6 AHAC TD HIDAI PILOONIK P = PRACTICAUSESSIONAL नाहा, HIZA 218/10/35 C जुक लाग हडिल, T = THEORY Incentiv Martes Balance DR. A. B. KUR Co-ordinato IDAC Arts & Commerce College 1001 1011 1021 025 F=FULL SUBJE dA REE 14. Principal Incentiv Arts & Commerce Colleg VOTE Jarud, Ta. Warud, Dist. Amravut

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#### Arts & Commerce College Jarud, Amravati Affiliated to Sant Gadge Baba Amravati University, Amravati; Maharashtra (India) COLLEGE LEVEL EXAMINATION WINTER 2017 GRADE CARD CUM SEMESTER PERFORMANCE REPORT

NAME OF EXAM BACHELOR OF ARTS (B.A.) (SEM-1) Winter-2017

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PRINCIPAL 25-01-2018 Arts & Commerce College Jarud, Amravati Date (Stamp of College) - Principal no A. Arts & Commerce College A. BIAN DR. Jarud, Ta. Warud, Dist. Amravali ce College, Jarud

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DR. A. B. KYKADE Co-ordinator, IQAC Arts & Commerce College, Jarud

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Shri Shivaji Education Society, Amravati, www.artscollegejarud.org ARTS & COMMERCE COLLEGE JARUD TA.WARUD DIST.AMRAVATI NAAC Re-accredited with- B E-mail : accjarud@gmail.comCollege website : www. Artscollegejarud.org Fax No.07229-246032 Dr. Panjabrao Deshmukh Founder President Hon'ble Harshwardhan P. Deshmukh President Dr. Devanand V.Atkare Principal Ph. (07229) 246032 246033

Date: 03 1901 2091

Ref. No ACJ-9596 195

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प्रति, मा. उपकुलसचिव (सारणी) संत गाडगेबाबा अमरावती विद्यापीठ, अमरावती.

विषय- विद्यापीठ प्रात्यक्षिक उन्हाळी-२०१८ परीक्षेचे गुण, गुणपत्रिकेत समाविष्ठ करण्याबाबत.

संदर्भ- १. आपले पत्र क्र. संगाबाअवि/३/सारणी/२०२०/२०१८ दिनांक २५/०९/२०१८

महोदय,

उपरोक्त विषयास अनुसरुन कु. दिपाली गोपाल इंगळे ही या महाविद्यालयातील शैक्षणिक सत्र २०१७-२०१८ मधील गृहअर्थशास्त्र विषयाची विद्यार्थीनी आहे. सदर विद्यार्थीनी ही विद्यापीठ प्रात्यक्षिक उन्हाळी २०१८ परीक्षेला उपस्थित होती. परंतू सदर विद्यार्थीनीच्या गुणपत्रिकेमध्ये अनुपस्थिती दर्शविलेली आहे. करीता कु. दिपाली गोपाल इंगळे या विद्यार्थीनीचे गृहअर्थशास्त्र या विषयास उपस्थित असल्याबाबतचे उपस्थितीपत्रक व गुणसुचीची छायांकीत प्रत आपणाकडे सादर करीत आहे. तेंव्हा सदर विद्यार्थीनीचे प्रात्यक्षिक परीक्षेचे नुज तीच्या गुणपत्रीकेमध्ये समाविष्ट करावे. हि नम्र विनंती.

Princip.\* Arts & Commerce College Jarud Ta Warud, Dist Amravati

सहपत्र- उपस्थिती पत्रक व गुणसुची छायांकीत प्रत

Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

DR. A Co-ord IOAC Arts & Commerce College, Jarud

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Art College, Jarua



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प्रति,

Fax No.0721-2660949, 2662135 Gram: AMUNI Ph.No.(OFF): 2662206 2662207 2662208 2662249 2662358

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म्राचार्य, कला व वाणिज्य महाविद्यालय, जरुड, ता-वरुड, जि.-अमरावती.

विषय - विद्यापीठ प्रात्यक्षिक उन्हाळी-२०१८ परीक्षेचे गुण, गुणपत्रिकेत समाविष्ठ करण्याबाबत. संदर्भ - आपले पत्र क्र.ACJ/170/18 दि. 11.7.2018

महोदय,

विषयांकित प्रकरणाबाबत आपले उपरोक्त संदर्भिय पत्र या कार्यालयास प्राप्त झाले आहे. सदर प्रकरणाबाबत शहानिशा करण्यात आली आहे.

प्रकरणाशी संबंधित विद्यार्थिनीचे गृहअर्थशास्त्र या विषयाचे प्रात्यक्षिक गुण या विभागास अप्राप्त आहे. सदर बाब आपले माहितीकरीता कळविण्यात येत आहे.

प्रकरणातील गांभिर्य तथा आपण संदर्भिय पत्रान्वये केलेली विनंती लक्षात घेता आपणांस विनंती करण्यात येते की, सदर प्रकरण निकाली काढणे हेतु गृहअर्थशास्त्र या विषयास उपस्थित विद्यार्थिनीचे उपस्थितीपत्रक व गुणसुचीची आपल्या स्वाक्षरीने साक्षांकित केलेली सत्यप्रत खालील स्वाक्षरी करणाऱ्यांकडे सादर केल्यास पुढील कार्यवाही करणे शक्य होईल.

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आपल्त्विश्वासू, (ऋ.ब.दशम्खें

उपकुलसचिव (सारणी) संत गाडगे बाबा अमरावती विद्यापीठ

Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

DR. A Arts & Commerce College, Jarud

Mahatma Fule Art's Commerce & Sitaramji Choudhari Science Mahavidyalaya Warud Practical Examination Summer 2018 Home – Economics

B. A. Part – I

Date :- 23/04/2018 Time :- 11.00 To 2.00

Sr.No	Roll No.	Stud	
1		Students Name	Signature
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Internal Examiner Date :- 23/04/2018

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Principal Arts & Commerce College Jaiud Ta Warud, Dist Amravati

DR. Co-ordin IQAC arts & Commerce College, Jarud

Principat

Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

UTT. J. ACJ / 1701/18 FG. 11/07/2018

प्रति,

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मा.सहाय्यक कुलसचिव, (गोपनिय) संत गाडगे बाबा अमरावती विद्यापीठ, अमरावती.

विषय - विद्यापीठ प्रात्यक्षीक उन्हाळी -२०१८ परिक्षेचे गुण, गुणपत्रिकेमध्ये समाविष्ट करण्याबाबत. मा. महोदय,

उपरोक्त विषयाचे अनुषंगाने आपणास कळविण्यात येते की, कु.दिपाली गोपाल इंगळे, बी.ए.भाग-१ हि शैक्षणिक सत्र २०१७-१८ मधील गृहअर्थशास्त्र विषयाची विद्यार्थीनी असुन सदर विद्यार्थीनी ही विद्यापीठ प्रात्यक्षीक उन्हाळी २०१८ परीक्षेला उपस्थित होती. परंतू सदर विद्यार्थीनीच्या गुणपत्रीकेमध्ये गृहअर्थशास्त्र विषयाच्या प्रात्यक्षीक परिक्षेमध्ये अनुपस्थित दाखविले आहे. कु.दिपाली गोपाल इंगळे हिला गृहअर्थशास्त्र विषयाच्या प्रात्यक्षीक परिक्षेमध्ये २७ गुण मिळालेले आहे. करिता सदर विद्यार्थीनीचे प्रात्यक्षीक परीक्षेचे गुण तीच्या गुणपत्रीकेमध्ये समाविष्ट करावे. हि विनंती.

सहपत्र - १. FOIL/ Counter Foil ची झेरॉक्स प्रत. २. गुणपत्रिकेची झेरॉक्स प्रत.

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आपला विश्वासू,

Princip.<sup>4</sup> Arts & Commerce College Jarud Ta Warod, Disi Amravati

Principal Arts & Commerce College Jarud, Ta. Warud, Dist. Amravati

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### SANT GADGE BABA AMRAVATI UNIVERSITY

#### PRACTICAL EXAM.

FOIL/COUNTER FOIL

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SIGNATURE OF EXTERNAL EXAMINER DATE: 23/04/200 8 ...

DR. A. B. KNKADE Co-ordinator, IQAC Arts & Commerce College, Jarud

Princip.1

Ritiscip Sommerco College Arts & Coanter Co College Jarud, Ta. Warud, Dist. Amravati