



SHRI SHIVAJI EDUCATION SOCIETY, AMRAVATI'S

SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA (MS)

Affiliated with Sant Gadge Baba Amravati University, Amravati (MS)

NAAC Reaccredited with A++ grade with CGPA 3.58 in Fourth cycle

UGC Status- College with Potential for Excellence (Phase II Completed)

DST- FIST (Level "00") Support;

Lead College Status by S. G. B. Amravati University, Amravati (MS)

Website: www.shivajiakola.ac.in

Criterion 1 – Curricular Aspects

1.1. Curricular Planning and Implementation

**1.1.2 - The institution adheres to the academic calendar including for
the conduct of Continuous Internal Evaluation (CIE)**

Shri Shivaji Education Society, Amravati's

SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA



NAAC Re-Accredited with A++ grade with CGPA 3.58
UGC Status 'College with Potential for Excellence', DST-FIST level- 0 Support

Lead College status by S.G.B.A.U. Amravati

Near Shivaji Park, Akola - 444 001 (Maharashtra)

Phone & Fax : 0724-2410438/2411039

Website : shivajiakola.ac.in E-mail : principal@shivajiakola.ac.in



Late Dr. Panjabrao alias Bhausaheb Deshmukh
Founder President

Shri. Harshvardhan P. Deshmukh
President

Dr. Ambadas L. Kulat
Principal


No. SSC/AKL/

Date : 13-12-2023

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.


Dr. A. S. Raut
Co-ordinator, IQAC
IQAC CO-ordinator
Shri Shivaji College of Arts,
Commerce & Science AKOLA
A++ Grade CGPA.3.58 by NAAC


Dr. A. L. Kulat
PRINCIPAL
Principal,
Shri Shivaji College of Arts,
Commerce & Science Akola
A++ Grade CGPA.3.58 by NAAC

**Criterion 1 - Curricular
Aspects**

1.1 Curricular Planning and Implementation

***1.1.2 - The institution adheres to the academic calendar
including for the conduct of Continuous Internal Evaluation (CIE)***

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O. ACADEMIC CALENDAR 2022-2023

Day	Event	Organizing Department
July : 2022		
1st July	College Re-opens	
1st -16th July	Admission Process	Admission Committee
18th July	Address by Principal	
11th July	World Population Day	Economics
23rd July	Lokmanya Tilak Jayanti	Marathi
23rd July	Forest Conservation Day	Botany
26th July	Kargil Victory Day	N.C.C.
August : 2022		
1st August	World Breast Feeding Day	Home Science & Home Economics
1st August	Annabhau Sathe Jayanti	Marathi
1st August	Lokmanaya Tilak Memory Day	Political Science
6th August	Hiroshima Day	Physics
9th August	August Kranti Din	N.C.C.
9th August	Dr. S. R. Ranganathan Jayanti	Library
12th August	Dr. Vikram Sarabhai Jayanti	Physics (Junior)
15th August	Rakshabandhan	Sociology & N.S.S
15th August	Independence Day (Prize Distribution to Merit Students of Junior College)	N.C.C. & Sports
29th August	National Sport Day	Games and Sport
September : 2022		
1st Sept.	Nutrition Week	Home Science (Jr. & Sr.)
5th Sept.	Teachers Day Celebration	Respective Department
8th Sept.	International Literacy Day	N.S.S.
11th Sept.	Acharya Vinobha Bhave Jayanti	Marathi & Hindi (Jr. & Sr.)
14th Sept.	Hindi Rashtrabhasha Day	Hindi
15th Sept.	National Engineers Day	M.C.V.C. & Bifocal Vocational
16th Sept.	Kamgar Shikshan Day	M.C.V.C. & Sociology (Jr. & Sr.)
	Ozone Day	Zoology
23rd Sept.	Blood Donation Day	Biochemistry & Microbiology
27th Sept.	Dr. S. R. Ranganathan Death Annv.	Library
27th Sept.	World Tourism Day	History
October : 2022		
1st to 7th Oct.	Wild Life Conservation Week	Zoology
2nd Oct.	Mahatma Gandhi Jayanti	Cultural Committee
2nd Oct.	Lalbahadur Shastri Jayanti	Cultural Committee
10th Oct.	World Mental Health Day	Home Science (Jr. & Sr.) & Health Club
15th Oct.	World Blind Day	Sociology & Ophthalmic
16th Oct.	World Food Day	Home Science
20th Oct.	National Integrity Day	Cultural Committee, Games & Sports
21st Oct.	Alfred Nobel Birth Anniversary	Chemistry (Junior)
24th Oct.	Shri. Ramchandra Jagobaji Gharphalkar (Ex. President) Jayanti	Cultural Committee
30th Oct.	Dr. Homi Bhabha Day	Chemistry & H.Eco.

November : 2022

7th November	Anti Poverty Day	Economics & Home Economics
8th November	Prof. Vasudeorao Motiram Kalmegh (Ex. President) Jayanti	Cultural Committee
14th November	Pandit Jawaharlal Nehru Jayanti	Political Science
21th November	Maharashtra Hutatma Day	History Junior & Senior
21st - 30th Nov.	First Term Test Examination	Examination Committee
28th November	Mahatma J. Phule Death Anniversary	Marathi & N.S.S.
30th November	Dr. J. C. Bose Jayanti	Biology

December : 2022

1st December	World Aids Day	N.S.S., Microbiology & Biochemistry
3rd December	International Day of Disable Person	Statistics & Geology
3rd December	Bhopal Day	Chemistry
6th December	Dr. B. Ambedkar Mahaparinirvan Day	Cultural Committee & Dr. B. A. Study
Center10th December	Human Right Day	Sociology
20th December	Sant Gadge Maharaj Death Anniversary	N.S.S.
22nd December	Shrinivas Ramanujan Jayanti	Mathematics
24th December	National Consumer Day	Commerce & Economics
25th-27th Dec.	Dr. P. Deshmukh Birth Anniversary	Cultural Committee
28th December	Day of Orphan Children Due to HIV	Cultural Committee & Health Center

January : 2023

3rd January	Savitribai Phule Jayanti & Mahila Mukti Din	N.S.S.
9th January	National Tourism Day	History
12th January	Youth Day (Prize Distribution)	N.S.S. & Sports
14th January	Geography Day	Geography & Geology
23rd January	N. Subhashchandra Bose Jayanti	N.S.S. & Sports
23rd -31st Jan.	N S S Camp	NSS
26th January	Republic Day Prize Distribution Merit Students of Senior College	N.S.S. & Sportsto
30th January	Hutatma Day	N.S.S.
30th January	Anti-Leprosy Day	Microbiolgoy, Zoology & Biochemistry

February : 2023

02nd February	World Wetland Day	Botany
11th February	World Day of Stick	Health Center
14th February	Shri. Vasantao Ramrao Dhotre (Ex. President) Jayanti	Cultural Committee
19th February	Chhatrapati Shivaji Maharaj Jayanti	History Department
25th February	T. B. Day	Biotechnology &
Microbiology 28th February		National Science Day Physics, Maths. & Comp.

Science

March : 2023

8th March	International Women's Day	Home Science & All Ladies Staff
15th March	World Consumer Day	Economics & Commerce & Mangement22nd
March	World Day of Water	Geology
23rd March	Shri Bhagwantrao Marotrao Ingole (Ex.Cultural CommitteePresident) Jayanti	

April : 2023

7th April	World Health Day	Sociology
10th April	Dr. Panjabrao Deshmukh Death Anniversary	Physical Education
11th April	Mahatma J. Phuley Jayanti	Marathi
14th April	Dr. Babasaheb Ambedkar Jayanti	Library
22nd April	Earth Day	Geography
23rd April	World Book Day	Office & Library

May : 2023

1st May	Maharashtra Day	N.S.S. & Sports
15th-27th May	Second Term Test Examination	Examination Committee

June : 2023

5th June	Word Environment Day	Botany
21st June	Yogdin	Yogshatra - Arts Faculty
26th June	Anti Drug Day	Microbiology / Biochemistry & Chemistry
	Rajashri Shahu Maharaj Jyanti	Marathi

SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA

Academic Calendar of Unit Test Examination and Home Assignment 2022-23

Class: B. Sc. I Semester I

- | | |
|------------------------------------|---|
| 1) Allotment of Assignment | 19 to 22 October, 2022 |
| 2) Submission of Assignment | 09/11/2022 to 14/11/2022 |
| 3) 1 st Unit Test (T-1) | 11/11/2022 to 19/11/2022 |
| 4) 2 nd Unit Test (T-2) | 21/11/2022 to 23/11/2022
Need basis to be arranged by
Concerned HOD |

B. Sc. II Semester - III and B. Sc. III Semester - V

- | | |
|---|---|
| 1) Allotment of Project Assignment | 19 to 22 October, 2022 |
| 2) Submission of Project Assignment | 09/11/2022 to 14/11/2022 |
| 3) 1 st Unit Test (T-1) | 14/11/2022 to 19/11/2022 |
| 4) 2 nd Unit Test (T-2) | 21/11/2022 to 23/11/2022
Need basis to be arranged by
Concerned HOD |
| 5) Submission of Seminar, study tour report,
Industrial visits, Visit to educational
Institutes Group discussion etc. | On or before 14/11/2022 |

All HOD of PG Departments should prepare timetable for PG College Unit test examination and maintain its record.


Coordinator

College Examination Committee


Principal

Shri Shivaji College, Akola
Shri Shivaji College of Arts,
Commerce & Science Akola.
A++ Grade CGPA.3.58 by NAAC

SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA
B. Sc. I Semester I (2022-23)
1st Unit Test Examination Time Table

Time- 11.00 AM to 01.00 PM


Sr. No.	Subject	Date	Room Number	Roll Number
01	English	11/11/2022	10,11,12, 13,14,17,18,19,20,21,22	
02	Marathi	12/11/2022	12,13,14,17,18,19,20,21,22,	
03	Hindi	12/11/2022	10,11	
04	Urdu	12/11/2022	23,24	
05	Physics	14/11/2022	20,21,22,23	
06	Statistics	14/11/2022	15,16	
07	Chemistry	15/11/2022	10,11,12, 13,14,20,21,22,23	
08	Geology	16/11/2022	23,24	
09	Zoology	16/11/2022	20,21,22	
10	Forensic Science	16/11/2022	25,26	
11	Electronics	16/11/2022	10,11	
12	Math- I	17/11/2022	20,21,22	
13	Botany	17/11/2022	10,11,12,13,14,15,16	
14	Biochemistry	17/11/2022	25,26	
15	Math- II	18/11/2022	20,21,22	
16	Microbiology	19/11/2022	10,11	
17	Biotechnology	19/11/2022	15,16	
18	Comp. Sci.	19/11/2022	20,21,22	

Note:

All Heads are requested to appoint the Paper setters, Invigilators and Valuers. Students can be equally divided into rooms, if more than one rooms allotted for the subject.


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SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA

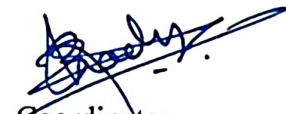
**B. Sc. II Semester-III (2022-23)
1st Unit Test Examination Time Table**


Time- 11.00 AM to 01.00 PM

Sr. No.	Subject	Date	Room Number	Roll Number
01	Physics	14/11/2022	20,21,22,23	
02	Statistics	14/11/2022	15,16	
03	Chemistry	15/11/2022	10,11,12, 13,14,20,21,22,23	
04	Geology	16/11/2022	23,24	
05	Zoology	16/11/2022	20,21,22	
06	Forensic Science	16/11/2022	25,26	
07	Electronics	16/11/2022	10,11	
08	Math- V	17/11/2022	20,21,22	
09	Botany	17/11/2022	10,11,12,13,14,15,16	
10	Biochemistry	17/11/2022	25,26	
11	Math- VI	18/11/2022	20,21,22	
12	Microbiology	19/11/2022	10,11	
13	Biotechnology	19/11/2022	15,16	
14	Comp. Sci.	19/11/2022	20,21,22	

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SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA
B. Sc. III Semester-V (2022-23)
1st Unit Test Examination Time Table

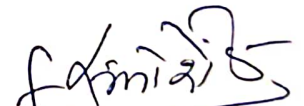
Time- 02.00 PM to 04.00 PM

Sr. No.	Subject	Date	Date	Room Number	Roll Number
01	Physics	14/11/2022	19/05/2022	20,21,22,23	
02	Statistics	14/11/2022	19/05/2022	15,16	
03	Chemistry	15/11/2022	20/05/2022	10,11,12, 13,14,20,21,22,23	
04	Geology	16/11/2022	21/05/2022	23,24	
05	Zoology	16/11/2022	21/05/2022	20,21,22	
06	Forensic Science	16/11/2022	21/05/2022	25,26	
07	Electronics	16/11/2022	21/05/2022	10,11	
08	Math- IX	17/11/2022	23/05/2022	20,21,22	
09	Botany	17/11/2022	23/05/2022	10,11,12,13,14,15,16	
10	Biochemistry	17/11/2022	23/05/2022	25,26	
11	Math- X	18/11/2022	24/05/2022	20,21,22	
12	Microbiology	19/11/2022	25/05/2022	10,11	
13	Biotechnology	19/11/2022	25/05/2022	15,16	
14	Comp. Sci.	19/11/2022	25/05/2022	20,21,22	

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of Arts,
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DATE: 07/04/2023

To,
All Heads of Teaching Departments
Shri Shivaji College
Akola

Time Table and Schedule for Unit Test Examination, Home Assignments, Seminars and Projects SEM-II, SEM-IV and SEM-VI of 2022-23 academic session

The copy of Time Table and Schedule for Unit Test Examination, Home Assignments, Seminars and Projects for **SEM-II, SEM-IV and SEM-VI** for 2022-23 academic session is enclosed herewith. You should inform the teachers of your department about their examination related duties (paper setting, invigilation, paper valuation, seminar conduction, home assignments, projects etc.) as per the enclosed time table.



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SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA

Academic Calendar of Unit Test Examination and Home Assignment 2022-23



Class: B. Sc. I Semester II

- | | |
|------------------------------------|---|
| 1) Allotment of Assignment | 8 to 10 April, 2023 |
| 2) Submission of Assignment | 08/04/2023 to 14/04/2023 |
| 3) 1 st Unit Test (T-1) | 15/04/2023 to 26/04/2023 |
| 4) 2 nd Unit Test (T-2) | 27/04/2023 to 29/04/2023
Need basis to be arranged by
Concerned HOD |

B. Sc. II Semester - IV and B. Sc. III Semester - VI

- | | |
|---|---|
| 1) Allotment of Project Assignment | 8 to 10 April, 2023 |
| 2) Submission of Project Assignment | 08/04/2023 to 14/04/2023 |
| 3) 1 st Unit Test (T-1) | 15/04/2023 to 26/04/2023 |
| 4) 2 nd Unit Test (T-2) | 27/04/2023 to 29/04/2023
Need basis to be arranged by
Concerned HOD |
| 5) Submission of Seminar, study tour report,
Industrial visits, Visit to educational
Institutes Group discussion etc. | On or before 14/04/2023 |

All HOD of PG Departments should prepare timetable for PG College Unit test examination and maintain its record.

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Shri Shivaji College, Akola


SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA
B. Sc. I Semester II (2022-23)
1st Unit Test Examination Time Table

Time- 11.00 AM to 01.00 PM


Sr. No.	Subject	Date	Room Number	Roll Number
01	English	13/04/2023	10,11,12, 13,14,15,16,17,18,19,20,21,22	
02	Marathi	14/04/2023	12,13,14,17,18,19,20,21,22,	
03	Hindi	14/04/2023	10,11	
04	Urdu	14/04/2023	23,24	
05	Forensic Science	15/04/2023	25,26	
06	Physics	16/04/2023	20,21,22,23	
07	Statistics	16/04/2023	15,16	
08	Biochemistry	16/04/2023	25,26	
09	Electronics	17/04/2023	10,11	
10	Geology	18/04/2023	20,21	
11	Biotechnology	20/04/2023	15,16	
12	Chemistry	22/04/2023	10,11,17,18,19,20,21,22	
13	Comp. Sci.	22/04/2023	14,15,16	
14	Microbiology	23/04/2023	10,11	
15	Math- III	23/04/2023	20,21,22	
16	Zoology	25/04/2023	20,21,22	
17	Math- IV	25/04/2023	17,18,19	
18	Botany	26/04/2023	10,11,12,13,14,15,16	

Note:

All Heads are requested to appoint the Paper setters, Invigilators and Valuers. Students can be equally divided into rooms, if more than one rooms allotted for the subject.


Coordinator
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Shri Shivaji College,
Akola

SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA

B. Sc. II Semester-IV (2022-23)

1st Unit Test Examination Time Table

Time- 11.00 AM to 01.00 PM

Sr. No.	Subject	Date	Room Number	Roll Number
01	Forensic Science	15/04/2023	25,26	
02	Physics	16/04/2023	20,21,22,23	
03	Statistics	16/04/2023	15,16	
04	Biochemistry	16/04/2023	25,26	
05	Electronics	17/04/2023	10,11	
06	Geology	18/04/2023	20,21	
07	Biotechnology	20/04/2023	15,16	
08	Chemistry	22/04/2023	10,11,12,13,17,18,19,20,21,22	
09	Comp. Sci.	22/04/2023	14,15,16	
10	Microbiology	23/04/2023	10,11	
11	Math- VII	23/04/2023	20,21,22	
12	Zoology	25/04/2023	20,21,22	
13	Math- VIII	25/04/2023	17,18,19	
14	Botany	26/04/2023	10,11,12,13,14,15,16	

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Akola

SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA

**B. Sc. III Semester-VI (2022-23)
1st Unit Test Examination Time Table**

Time- 02.00 PM to 04.00 PM

Sr. No.	Subject	Date	Room Number	Roll Number
01	Forensic Science	15/04/2023	25,26	
02	Physics	16/04/2023	20,21,22,23	
03	Statistics	16/04/2023	15,16	
04	Biochemistry	16/04/2023	25,26	
05	Electronics	17/04/2023	10,11	
06	Geology	18/04/2023	20,21	
07	Biotechnology	20/04/2023	15,16	
08	Chemistry	22/04/2023	10,11,12,13,17,18,19,20,21,22	
09	Comp. Sci.	22/04/2023	14,15,16	
10	Microbiology	23/04/2023	10,11	
11	Math- VII	23/04/2023	20,21,22	
12	Zoology	25/04/2023	20,21,22	
13	Math- VIII	25/04/2023	17,18,19	
14	Botany	26/04/2023	10,11,12,13,14,15,16	

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College Examination Committee



Principal
Shri Shivaji College,
Akola

Shri Shivaji College of Arts, Commerce & Science, Akola
B. Com. I (Sem. I) Term Examination W 2022
Time Table

Date	Day	Time	Subject
01.12.2022	Thursday	08:30 To 11:30	English
02.12.2022	Friday	08:30 To 11:30	Marathi/Hindi
03.12.2022	Saturday	08:30 To 11:30	Principles of Economics
05.12.2022	Monday	08:30 To 11:30	Principles of Accounting
06.12.2022	Tuesday	08:30 To 11:30	Principle of Business Management
07.12.2022	Wednesday	08:30 To 11:30	Computer Fundamental & Operating System-I

B. Com. II (Sem. III) Term Examination W 2022
Time Table

Date	Day	Time	Subject
01.12.2022	Thursday	08:30 To 11:30	English
02.12.2022	Friday	08:30 To 11:30	Marathi/Hindi
03.12.2022	Saturday	08:30 To 11:30	Company Accounts
05.12.2022	Monday	08:30 To 11:30	Business Mathematics
06.12.2022	Tuesday	08:30 To 11:30	Auditing
07.12.2022	Wednesday	08:30 To 11:30	Monitory System
08.12.2022	Thursday	08:30 To 11:30	Information Technology & Business Data Processing-I

B. Com. III (Sem. V) Term Examination W 2022
Time Table

Date	Day	Time	Subject
01.12.2022	Thursday	08:30 To 11:30	English
02.12.2022	Friday	08:30 To 11:30	Marathi/Hindi
03.12.2022	Saturday	08:30 To 11:30	Cost Accounting
05.12.2022	Monday	08:30 To 11:30	Business Environment
06.12.2022	Tuesday	08:30 To 11:30	Company Regulatory Framework
07.12.2022	Wednesday	08:30 To 11:30	Internet & World Wide Web -I
08.12.2022	Thursday	08:30 To 11:30	E-Commerce-I

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Co-ordinator
Faculty of Commerce



Shri Shivaji College of Arts, Commerce & Science, Akola
Faculty of Commerce & Management
Unit Test and Assignment Submission Timetable UG-2022-23

B. Com . I Sem II CBCS

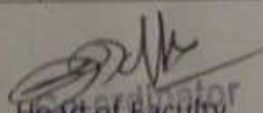
Day	Date	Time	Subject
Monday	10-04-2023	9.30 am to 10.30 am	Compulsory English
Tuesday	11-04-2023	9.30 am to 10.30 am	Marathi/ Hindi
Wednesday	12-04-2023	9.30 am to 10.30 am	Business Economics
Thursday	13-04-2023	9.30 am to 10.30 am	Financial Accounting
Friday	14-04-2023	9.30 am to 10.30 am	Principles of Business Organisation

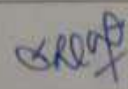
B. Com . II Sem IV

Day	Date	Time	Subject
Monday	10-04-2023	9.30 am to 10.30 am	Compulsory English
Tuesday	11-04-2023	9.30 am to 10.30 am	Marathi/ Hindi
Wednesday	12-04-2023	9.30 am to 10.30 am	Corporate Accounting
Thursday	13-04-2023	9.30 am to 10.30 am	Business Statistics
Friday	14-04-2023	9.30 am to 10.30 am	Income Tax
Saturday	15-04-2023	9.30 am to 10.30 am	Indian Financial System

B. Com . III Sem VI

Day	Date	Time	Subject
Monday	10-04-2023	9.30 am to 10.30 am	Compulsory English
Tuesday	11-04-2023	9.30 am to 10.30 am	Marathi/ Hindi
Wednesday	12-04-2023	9.30 am to 10.30 am	Management Accounting
Thursday	13-04-2023	9.30 am to 10.30 am	Company Law
Friday	14-04-2023	9.30 am to 10.30 am	Economics of Development
Monday	15-04-2023	9.30 am to 10.30 am	E-Commerce-II


Head of Faculty
Faculty of Commerce & Management
Shri Shivaji College, Akola


Principal
Shri Shivaji College of Arts,
Commerce & Science, AKOLA
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Shri Shivaji College of Arts, Commerce & Science, Akola
Faculty of Commerce & Management
Unit Test and Assignment Submission Timetable UG-2022-23

B. Com . I Sem II CBCS

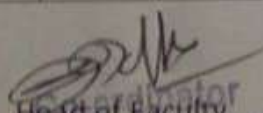
Day	Date	Time	Subject
Monday	10-04-2023	9.30 am to 10.30 am	Compulsory English
Tuesday	11-04-2023	9.30 am to 10.30 am	Marathi/ Hindi
Wednesday	12-04-2023	9.30 am to 10.30 am	Business Economics
Thursday	13-04-2023	9.30 am to 10.30 am	Financial Accounting
Friday	14-04-2023	9.30 am to 10.30 am	Principles of Business Organisation

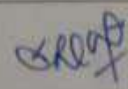
B. Com . II Sem IV

Day	Date	Time	Subject
Monday	10-04-2023	9.30 am to 10.30 am	Compulsory English
Tuesday	11-04-2023	9.30 am to 10.30 am	Marathi/ Hindi
Wednesday	12-04-2023	9.30 am to 10.30 am	Corporate Accounting
Thursday	13-04-2023	9.30 am to 10.30 am	Business Statistics
Friday	14-04-2023	9.30 am to 10.30 am	Income Tax
Saturday	15-04-2023	9.30 am to 10.30 am	Indian Financial System

B. Com . III Sem VI

Day	Date	Time	Subject
Monday	10-04-2023	9.30 am to 10.30 am	Compulsory English
Tuesday	11-04-2023	9.30 am to 10.30 am	Marathi/ Hindi
Wednesday	12-04-2023	9.30 am to 10.30 am	Management Accounting
Thursday	13-04-2023	9.30 am to 10.30 am	Company Law
Friday	14-04-2023	9.30 am to 10.30 am	Economics of Development
Monday	15-04-2023	9.30 am to 10.30 am	E-Commerce-II


Head of Faculty
Faculty of Commerce & Management
Shri Shivaji College, Akola


Principal
Shri Shivaji College of Arts,
Commerce & Science, AKOLA
A Grade O, CPA, 3, 24 by NAAC

Shri Shivaji College of Arts, Commerce & science, Akola.

Department of Home Science.

1st Unit Test Exam Time Table (2022- 23) Summer .

M.Sc. Food Science & Nutrition II Year Sem IV

S. No	Subject	Date	Time
1	Food Informatics	27/2/23	12 To 1 pm
2	Current Trends & Issues in FN	28/2/23	12 To 1 pm
3	Scientific Writing	1/3/23	12 To 1 pm

M.Sc. Textile Clothing II Year

S. No	Subject	Date	Time
1	Current Trends & Issues in TC	27/2/23	12 To 1 pm
2	CAD in Textile & Fashion	28/2/23	12 To 1 pm
3	Scientific Writing	1/3/23	12 To 1 pm

M.Sc. Human Development II Year

S. No	Subject	Date	Time
1	Personal Empowerment	27/2/23	12 To 1 pm
2	Current Trends & Issues in HD	28/2/23	12 To 1 pm
3	Scientific Writing	1/3/23	12 To 1 pm

Anjali Kaware

HEAD

Department of Home Science

Dr. Anjali J. Kaware

Professor & Head,

Department of Home Science

Shri Shivaji College of Arts, Commerce
& Science, Akola

Shri. Shivaji College of Arts, Commerce & Science , Akola
Department of Home Science
Unit Test -I
UG Time Table Summer-2023

B.Sc. Home Science I Year Sem II

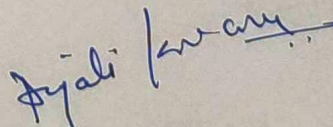
Sr. No.	Subject	Date	Time
1	Communication Skills	27-2-2023	12-1 pm
2	Composite Home Science I	28-2-2023	12-1 pm
3	Composite Home Science I I	1-3-2023	12-1 pm
4	Nutritional Biochemistry	2-3-2023	12-1 pm

B.Sc. Home Science II Year Sem IV

Sr. No.	Subject	Date	Time
1	Resource Management	27-2-2023	12-1 pm
2	Food & Nutrition	27-2-2023	2-3 pm
3	Human Development	28-2-2023	12-1 pm
4	Textile & Clothing	28-2-2023	2-3 pm
5	Communication & Extension	1-3 -2023	12-1 pm
6	Nutritional Biochemistry	1-3 -2023	2-3 pm
7	Computer Application	2-3 -2023	12-1 pm

B.Sc. Home Science III Year Sem VI

Sr. No.	Subject	Date	Time
1	Resource Management	27-2-2023	12-1 pm
2	Food & Nutrition	27-2-2023	2-3 pm
3	Human Development	28-2-2023	12-1 pm
4	Textile & Clothing	28-2-2023	2-3 pm
5	Communication & Extension	1-3 -2023	12-1 pm
6	Health Hygiene & Microbiology	1-3 -2023	2-3 pm



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Department of Home Science

Dr. Anjali J. Kaware

Professor & Head,

Department of Home Science

Shri Shivaji College of Arts, Commerce
& Science, Akola

Shri Shivaji College of Arts, Commerce & science, Akola.

Department of Home Science.

1st Unit Test Exam Time Table (2022- 23) Summer

M.Sc. Food Science & Nutrition I Year *Sem II*

S. No	Subject	Date	Time
1	Nutritional Biochemistry	27/2/23	12 To 1 pm
2	Clinical Nutrition & Dietetics II	28/2/23	12 To 1 pm
3	Community Nutrition	1/3/23	12 To 1 pm
4	Food Service Management	2/3/23	12 To 1 pm

M.Sc. Textile Clothing I Year *Sem II*

S. No	Subject	Date	Time
1	Advance Textile Design	27/2/23	12 To 1 pm
2	Apparel Construction	28/2/23	12 To 1 pm
3	Fashion Communication	1/3/23	12 To 1 pm
4	Eco Textile & Environment	2/3/23	12 To 1 pm

Anjali Kaware

HEAD

Department of Home Science.

Dr. Anjali J. Kaware

Professor & Head,

Department of Home Science

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& Science, Akola

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Department of Home Science

I Unit Test Exam - Time Table Winter (2023-24)

M.Sc. Food Science & Nutrition I Year Sem I

S. No	Subject	Date	Time
1	Research Methodology & Sat. App	2-9-2023	12 To 1 pm
2	Food Science	4-9-2023	12 To 1 pm
3	Clinical Nutrition & Dietetics I	4-9-2023	2 To 3 pm
4	Approaches In Nutrition	6-9-2023	12 To 1 pm
5	Advanced Nutrition	6-9-2023	2 To 3 pm

M.Sc. Textile Clothing I Year Sem I

S. No	Subject	Date	Time
1	Research Methodology & Sat. App	2-9-2023	12 To 1 pm
2	Fashion concepts & Designing	4-9-2023	12 To 1 pm
3	Textile Chemistry	4-9-2023	2 To 3 pm
4	Advanced Textile Design	6-9-2023	12 To 1pm
5	Historic Costumes	6-9-2023	2 To 3 pm

Anjali Kaware

HEAD

Dr. Anjali J. Kaware
Professor & Head,
Department of Home Science
Shri Shivaji College of Arts, Commerce
& Science, Akola

Shivaji College of Arts, Commerce & science, Akola.

Department of Home Science

I Unit Test Exam- Time Table Winter (2023- 24)

M.Sc. Food Science & Nutrition II Year Sem III

S. No	Subject	Date	Time
1	Food Microbiology	2-9-2023	12 To 1 pm
2	Research Methodology & Sat. App	4-9-2023	12 To 1 pm
3	Clinical Nutrition & Dietetics III	6-9-2023	12 To 1 pm
4	Nutrition Through Life Span	6-9-2023	2 To 3 pm

M.Sc. Textile Clothing II Year

S. No	Subject	Date	Time
1	Research Methodology & Sat. App	2-9-2023	12 To 1 pm
2	Textile Testing & Quality Control	4-9-2023	12 To 1 pm
3	Social & Psychological Aspects	6-9-2023	12 To 1 pm
4	Dyeing & Printing	6-9-2023	2 To 3 pm

Anjali Kaware
HADE

Dr. Anjali J. Kaware
Professor & Head,
Department of Home Science
Shri Shivaji College of Arts, Commerce
& Science, Akola

Shri. Shivaji College of Arts, Commerce & Science, Akola
Department of Home Science
Unit Test –I
UG Time Table. Winter-2023-24

B.Sc. Home Science I Year Sem I

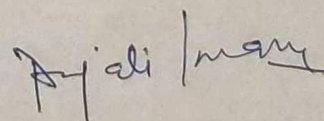
Sr. No.	Subject	Date	Time
1	Communication Skills	2-9-2023	12-1 pm
2	Fundamentals of Home Science I	4-9-2023	12-1 pm
3	Fundamentals of Home Science II	6-9-2023	12-1 pm
4	Nutritional Biochemistry	6-9-2023	2-3 pm

B.Sc. Home Science II Year Sem III

Sr. No.	Subject	Date	Time
1	Housing & Interior Enrichment	2-9-2023	12-1 pm
2	Food Science	4-9-2023	12-1 pm
3	Life Span Development	4-9-2023	2-3 pm
4	Textile Science	6-9-2023	12-1 pm
5	Dynamic Communication & Extension	6-9-2023	2-3 pm

B.Sc. Home Science III Year Sem V

Sr. No.	Subject	Date	Time
1	Resource Management	2-9-2023	12-1 pm
2	Food & Nutrition	2-9-2023	2-3 pm
3	Human Development	4-9-2023	12-1 pm
4	Textile & Clothing	4-9-2023	2-3 pm
5	Communication & Extension	6-9-2023	12-1 pm
6	Health Hygiene & Microbiology	6-9-2023	2-3 pm



HEAD

Department of Home Science
Dr. Anjali J. Kaware
Professor & Head,
Department of Home Science
Shri Shivaji College of Arts, Commerce
& Science, Akola

Shri. Shivaji College of Arts, Commerce & Science , Akola
Department of Home Science
Unit Test -II
UG Time Table Summer-2023
B.Sc. Home Science I Year Sem II


Sr. No.	Subject	Date	Time
1	Communication Skills	29-3-2023	12-1 pm
2	Composite Home Science I	30-3-2023	12-1 pm
3	Composite Home Science II	31-3-2023	12-1 pm
4	Nutritional Biochemistry	31-3-2023	2-3 pm

B.Sc. Home Science II Year Sem IV

Sr. No.	Subject	Date	Time
1	Resource Management	29-3-2023	12-1 pm
2	Food & Nutrition	29-3-2023	2-3 pm
3	Human Development	30-3-2023	12-1 pm
4	Textile & Clothing	30-3-2023	2-3 pm
5	Communication & Extension	31-3-2023	12-1 pm
6	Nutritional Biochemistry	31-3-2023	2-3 pm
7	Computer Application	31-3-2023	4-5 pm

B.Sc. Home Science III Year Sem VI

Sr. No.	Subject	Date	Time
1	Resource Management	29-3-2023	12-1 pm
2	Food & Nutrition	29-3-2023	2-3 pm
3	Human Development	30-3-2023	12-1 pm
4	Textile & Clothing	30-3-2023	2-3 pm
5	Communication & Extension	31-3-2023	12-1 pm
6	Health Hygiene & Microbiology	31-3-2023	2-3 pm


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Department of Home Science

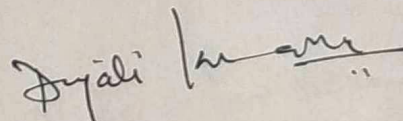
II Unit Test Exam - Time Table Summer (2022- 23)

M.Sc. Food Science & Nutrition I Year Sem II

S. No	Subject	Date	Time
1	Nutritional Biochemistry	29-3-23	12 To 1 pm
2	Clinical Nutrition & Dietetics II	30-3-23	12 To 1 pm
3	Community Nutrition	31-3-23	12 To 1 pm
4	Food Service Management	31-3-23	1 To 2 pm

M.Sc. Textile Clothing I Year Sem II

S. No	Subject	Date	Time
1	Advance Textile Design	29-3-23	12 To 1 pm
2	Apparel Construction	30-3-23	12 To 1 pm
3	Fashion Communication	31-3-23	12 To 1 pm
4	Eco Textile & Environment	31-3-23	1 To 2pm


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Department of Home Science

II Unit Test Exam- Time Table Summer (2022- 23)

M.Sc. Food Science & Nutrition II Year Sem IV

S. No	Subject	Date	Time
1	Food Informatics	29-3-23	12 To 1 pm
2	Current Trends & Issues in FN	30-3-23	12 To 1 pm
3	Scientific Writing	31-3-23	12 To 1 pm

M.Sc. Textile Clothing II Year

S. No	Subject	Date	Time
1	Current Trends & Issues in TC	29-3-23	12 To 1 pm
2	CAD in Textile & Fashion	30-3-23	12 To 1 pm
3	Scientific Writing	31-3-23	12 To 1 pm

M.Sc. Human Development II Year

S. No	Subject	Date	Time
1	Personal Empowerment	29-3-23	12 To 1 pm
2	Current Trends & Issues in HD	30-3-23	12 To 1 pm
3	Scientific Writing	31-3-23	12 To 1 pm

[Signature]
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Shri Shivaji College of Arts

SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE ,
AKOLA

DEPARTMENT OF CHEMISTRY

Internal Unit Test 2022 – 2023

Notice

All students of M.Sc Chemistry are hereby inform that their College Unit Test (for internal assessment) is scheduled as per following Time Table.

Class	Paper	Date	Time
M.Sc I Sem I	Inorganic Chemistry Paper I	28/11 /2022	12.00 to 2.00
	Organic Chemistry Paper II	29/11/2022	
	Physical Chemistry Paper III	30/11/2022	
	Analytical Chemistry Paper IV	2/12/2022	
M.Sc IISemII	Spectroscopy Paper IX	28/11 /2022	12.00 to 2.00
	Thermal and Electroanalytical Methods Paper X	29/11/2022	
	Organic Synthesis-I Paper XI	30/11/2022	
	Organic Chemistry -II (Natural Product - I) Paper XII	2/12/2022	

K. P. Puri
Head
Department of Chemistry
Shri Shivaji College, AKOLA

SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE AKOLA
P.G. DEPARTMENT OF CHEMISTRY
INTERNAL UNIT TEST 2022-2023

Notice

All students of M.Sc. Chemistry are hereby inform that their College Unit test
(For internal assessment) is scheduled as per following time table.

Class	Paper	Date	Time
M.Sc I Sem II	Co-ordination Chemistry	15/04/2023	12:00 to 2:00 PM
	Organic Chemistry-II	17/04/2023	
	Physical Chemistry-II	18/04/2023	
	Optical Methods & Environmental Chemistry	19/04/2023	
M.Sc II Sem IV	Spectroscopy-II	15/04/2023	12:00 to 2:00 PM
	General Analytical Chemistry	17/04/2023	
	Organic Chemistry-III (Organic Synthesis-II)	18/04/2023	
	Organic Chemistry (Applied & Medicinal Chemistry)	19/04/2023	


Head

Kishore Duri
Department of Chemistry
Professor and Head
Department of Chemistry
Shri Shivaji College, Akola

Shri Shivaji College of Arts, Commerce and Science, Akola

Department of Biochemistry

Time table for M.Sc. Biochemistry Preliminary Examination W - 2022

Sr. No.	Class	Semester	Paper	Date	Time
1	M.Sc. I	I	Biomolecules	3/12/2022	12:00 to 3: 00
	M.Sc. II	III	Basic Immunology		
2	M.Sc. I	I	Analytical Techniques	05/12/2022	12:00 to 3: 00
	M.Sc. II	III	Applied Immunology		
3	M.Sc. I	I	Advanced Enzymology	07/12/2022	12:00 to 3: 00
	M.Sc. II	III	Fermentation Technology		
4	M.Sc. I	I	Bioenergetics and Biological Oxidation	09/12/2022	12:00 to 3: 00
	M.Sc. II	III	Recombinant Technology		

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Department of Biochemistry
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SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE & SCIENCE, AKOLA.

Department of Biochemistry

NOTICE

UNIT TEST EXAMINATION SUMMER - 2023

Date: 18/04/2023 to 21/04/2023

Sr. No	M.Sc I sem II Papers	M.Sc II sem IV Papers	Date	Time
1.	V) Clinical Biochemistry	XIII) physiology	18/04/2023	12.00 to 3.00 PM
2.	VI) Endocrinology & Neurochemistry	XIV) Advance molecular biology	19/04/2023	12.00 to 3.00 PM
3.	VII) Cell Biology	XV) Plant biochemistry	20/04/2023	12.00 to 3.00 PM
4.	VIII) Bioinformatics, Biostatistics and Research Methodology	XVI) Plant nutrition and Reproduction	21/04/2023	12.00 to 3.00 PM

Head

Department of Biochemistry

SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA

DEPARTMENT OF BOTANY

P.G UNIT TEST TIME TABLE WINTER -2022

Sr. No.	Date	Time	Class	Name of Paper
1	06/12/22	11.30 – 02.30	M.Sc. I	Cell and Molecular Biology
			M.Sc. II	Biology and Diversity of Pteridophytes and Gymnosperm
2	07/12/22	11.30 – 02.30	M.Sc. I	Evolution and Diversity of Algae and Fungi
			M.Sc. II	Taxonomy of Angiosperm
3	08/12/22	11.30 – 02.30	M.Sc. I	Economic Botany and Resource Utilization
			M.Sc. II	Angiosperm Taxonomy, Phytochemistry and Pharmacognosy-I Applied Mycology-I
4	09/12/22	11.30 – 02.30	M.Sc. I	Plant Development
			M.Sc. II	Angiosperm Taxonomy, Phytochemistry and Pharmacognosy-II Plant Pathology -II

P. Prasad
Head
Department of Botany
Shri Shivaji College, AKOLA.

SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA

DEPARTMENT OF BOTANY

P.G UNIT TEST TIME TABLE SUMMER -2023


Sr. No.	Date	Time	Class	Name of Paper
1	17/04/23	11.30 am - 02.30 pm	M.Sc. I	DSC -V: Plant Physiology
			M.Sc. II	Paper-XIII: Plant Ecology
2	18/04/23	11.30 am - 02.30 pm	M.Sc. I	DSC -VI :Evolution and Diversity of Bryophytes and Pteridophytes
			M.Sc. II	Paper-XIV: Environmental Ecology
3	19/04/23	11.30 am - 02.30 pm	M.Sc. I	DSC- VII :Genetics and Plant Breeding
			M.Sc. II	Paper-XV: Plant Biotechnology
4	20/04/23	11.30 am -02.30 pm	M.Sc. I	DSC -VIII :Plant Biochemistry and Pharmacognosy
			M.Sc. II	Paper-XVI: Genetic Engineering

Foreman
Head,
Department of Botany
Shri Shivaji College of Arts,
Commerce & Science, Akola

SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE & SCIENCE, AKOLA

B.Sc. Geology Ist Unit Test Examination of Winter – 2022
Department of Geology & Geoinformatics

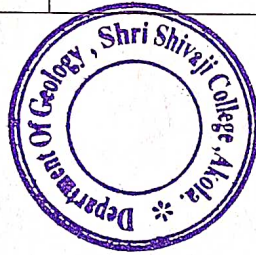
Day	Date	Class	Time	Room No.
Monday	16-11-2022	B.Sc. PART-I, SEMESTER-I	11.00 AM To 1.00 PM	23 , 24
Tuesday	16-11-2022	B.Sc. PART-II, SEMESTER-III	11.00 AM To 1.00 PM	23 , 24
Saturday	16-11-2022	B.Sc. FINAL, SEMESTER-V	2.00 PM To 04.00 PM	23 , 24



DR. G. D. GAIKWAD
Asst. Professor & Head
Dept. of Geology & Geoinformatics
Shri Shivaji College, AKOLA.

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI
SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE & SCIENCE, AKOLA
Department of Geology

Practical Examination (Winter – 2022) Time Table

Day	Date	Subject	Class	Time
Thursday	21-01-2023	Geology	B.Sc. I Sem-I (Regular)	From 11.00 AM
Monday	17-01-2023	Geology	B.Sc. II Sem-III (Regular)	From 9.00 AM
Friday	13-01-2023	Geology	B.Sc. III Sem-V (Regular)	From 9.00 AM

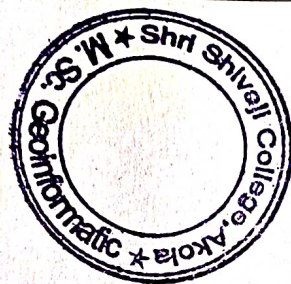



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SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE & SCIENCE, AKOLA
Department of Geology & Geoinformatics
Unit Test Examination
(Winter-2022)

M.SC. GEO-INFORMATICS (PART-I) SEMESTER – I

Date	Paper Code	Subject	Time
17-11-2022	1 GNF 1C		
17-11-2022	1 GNF 2C	Principles of Remote Sensing	11.00 AM to 1.00 PM
		Introduction to GIS	2.00 PM to 4.00 PM
18-11-2022	1 GNF 3C	Geodesy & GPS	11.00 AM to 1.00 PM
18-11-2022	1 GNF 4C	Photogrammetry	2.00 PM to 4.00 PM




HOD
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Department of Geology
Shri Shivaji College of Arts
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SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE & SCIENCE, AKOLA
Department of Geology & Geoinformatics
Unit Test Examination
(Winter-2022)

M.SC. GEO-INFORMATICS (PART-II) SEMESTER – III

Date	Subject	Time
17-11-2022	MGI-301 Research Methodology	11.00 AM to 1.00 PM
17-11-2022	MGI-302 GIS Application Development	2.00 PM to 4.00 PM
18-11-2022	MGI-303 Geoinformatics Applications In Natural Resources Management	11.00 AM to 1.00 PM
18-11-2022	MGI-304 Geostatistics	2.00 PM to 4.00 PM




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Shri Shivaji College of Arts
Commerce & Science, Akola

SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE & SCIENCE, AKOLA
Department of Geology & Geoinformatics


M.Sc. Geoinformatics

Practical Examination Time Table

Winter – 2022 Examination

Date	Class	Subject Code	Subject	Time
23-01-2023	M.Sc. -I (Sem-I)	1 GNF 5C	Remote Sensing Practical	From 9.00 am
24-01-2023	M.Sc. -I (Sem-I)	1 GNF 6C	GIS Practical	From 9.00 am
23-01-2023	M.Sc. -II (Sem-III)	MGI -305	Geostatistics Lab.	From 9.00 am
24-01-2023	M.Sc. -II (Sem-III)	MGI -306	GIS Applications in Natural Resource Management Lab	From 9.00 am

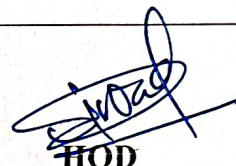



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Department of Geology
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Commerce & Science, Akola

SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE & SCIENCE, AKOLA

B.Sc. Geology Unit Test Examination of Summer – 2023
Department of Geology & Geoinformatics

Day	Date	Class	Time	Room No.
Monday	18-04-2023	B.Sc. PART-I, SEMESTER-II	11.00 AM To 1.00 PM	22 , 23
Monday	18-04-2022	B.Sc. PART-II, SEMESTER-II	11.00 AM To 1.00 PM	22 , 23
Monday	18-04-2022	B.Sc. FINAL, SEMESTER-VI	2.00 PM To 04.00 PM	22 , 23

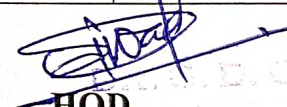


HOD
DR. G. D. GAIKWAD
Asst. Professor & Head
Dept. of Geology & Geoinformatics
Shri Shivaji College, AKOLA.

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI
SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE & SCIENCE, AKOLA
Department of Geology

Practical Examination (Summer – 2023) Time Table

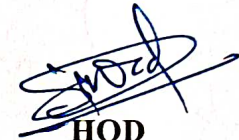
Day	Date	Subject	Class	Time
Monday	22-05-2023	Geology	B.Sc. I Sem-II (Regular)	From 09.00 AM
Saturday	12-06-2023	Geology	B.Sc. II Sem-IV (Regular)	From 9.00 AM
Thursday	08-06-2023	Geology	B.Sc. III Sem-VI (Regular)	From 9.00 AM


HOD
S. S. B. SANGHVI
Asst. Professor
Dept. of Geology & Cartography
Shri Shivaji College, AKOLA.

SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE & SCIENCE, AKOLA
M.Sc. Geo-informatics Unit Test Examination of SUMMER – 2023
Department of Geology & Geoinformatics

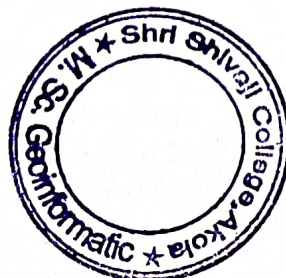
M.Sc. Geoinformatics – Ist Year Sem-II				
Day	Date	Subject	Class	Time
Thursday	20-04-2023	2GNF-1C: FUNDAMENTALS OF CARTOGRAPHY	M.SC. (GEO-INFORMATICS) SEMESTER – II	02.00 PM To 04.00 PM
Friday	21-04-2023	2GNF-2C: DIGITAL IMAGE PROCESSING	M.SC. (GEO-INFORMATICS) SEMESTER – II	11.00 AM To 01.00 PM
Monday	24-04-2023	2GNF-3C: SPATIAL MODELING & ANALYSIS	M.SC. (GEO-INFORMATICS) SEMESTER – II	11.00 AM To 01.00 PM
Monday	24-04-2023	2GNF-4C: GEOSTATISTICS	M.SC. (GEO-INFORMATICS) SEMESTER – II	02.00 PM To 04.00 PM





HOD
DR. G. D. GAIKWAD
 Asst. Professor & Head
 Dept. of Geology & Geoinformatics
 Shri Shivaji College, AKOLA.

SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE & SCIENCE, AKOLA
M.Sc. Geo-informatics Unit Test Examination of SUMMER – 2023
Department of Geology & Geoinformatics

M.Sc. Geoinformatics – IInd Year Sem-IV				
Day	Date	Subject	Class	Time
Monday	24-04-2023	MGI-401 Database Management System	M.SC. (GEO-INFORMATICS) SEMESTER – IV	11.00 AM To 01.00 PM
Monday	24-04-2023	MGI-402 Web Mapping & Web GIS	M.SC. (GEO-INFORMATICS) SEMESTER – IV	02.00 PM To 04.00 PM
Tuesday	25-04-2023	MGI-403 Geoinformatics Application in Agriculture	M.SC. (GEO-INFORMATICS) SEMESTER – IV	11.00 AM To 01.00 PM
Tuesday	25-04-2023	MGI-404 Geoinformatics Applications in Water Resources Management	M.SC. (GEO-INFORMATICS) SEMESTER – IV	02.00 PM To 04.00 PM




HOD
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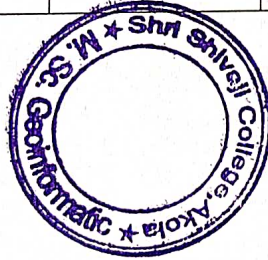
SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE & SCIENCE, AKOLA
Department of Geology & Geoinformatics

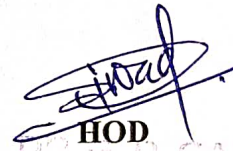
M.Sc. Geoinformatics

Practical Examination Time Table

Summer – 2023 Examination

Date	Class	Subject Code	Subject	Time
04-05-2023	M.Sc. -I (Sem-II)	2 GNF 5C	Digital Image Processing Lab	From 9.00 am
05-05-2023	M.Sc. -I (Sem-II)	2 GNF 6C	Spatial Modelling & Analysis Lab	From 9.00 am
04-05-2023	M.Sc. -II (Sem-IV)	MGI -405	GIS Application To Agriculture & Water Resources Lab.	From 9.00 am
05-05-2023	M.Sc. -II (Sem-IV)	MGI -406	Project Lab	From 9.00 am



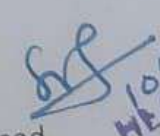

HOD

DR. S. D. GAIKWAD
Asst. Professor & Head
Dept. of Geology & Geoinformatics
Shri Shivaji College, AKOLA.

Shri Shivaji College of Arts, Commerce and Science, Akola
Department of Mathematics
Unit Test Time-Table (FOR P. G.)
(Summer – 2023)

Date	Class	Time	Subject
11/04/2023	M.Sc.- I	11:30 am To 01:00 pm	Measure and Integration Theory
	M.Sc.- II		Functional Analysis-II
12/04/2023	M.Sc.- I	11:30 am To 01:00 pm	Advance Linear Algebra and Field Theory
	M.Sc.- II		Partial Differential Equations
13/04/2023	M.Sc.- I	11:30 am To 01:00 pm	Integral Equations
	M.Sc.- II		Numerical Analysis
14/04/2023	M.Sc.- I	11:30 am To 01:00 pm	Topology - II
	M.Sc.- II		Relativistic Cosmology
15/04/2023	M.Sc.- I	11:30 am To 01:00 pm	Riemannian Geometry
	M.Sc.- II		Fluid Dynamics – II

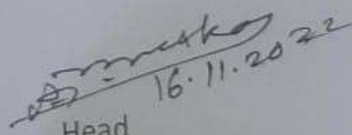
- Note:-** 1] Students who do not attend regularly will not be able to sit for the exam.
 2] Unit test is compulsory.
 3] Retest will not be taken.

I/c 
 Head
 Department of Mathematics
 Shri Shivaji College of Arts, Commerce & Science, Akola
 10/04/23

Shri Shivaji College of Arts, Commerce and Science, Akola
 Department of Mathematics
Unit Test Time-Table (FOR P. G.)
 (Winter – 2022)

Date	Class	Time	Subject
22/11/2022	M.Sc.- I	11:30 am To 12:45 pm	Real Analysis
	M.Sc.- II		Functional Analysis-I
23/11/2022	M.Sc.- I	11:30 am To 12:45 pm	Advance Abstract Algebra
	M.Sc.- II		Advance Mechanics
24/11/2022	M.Sc.- I	11:30 am To 12:45 pm	Complex Analysis
	M.Sc.- II		Operations Research
25/11/2022	M.Sc.- I	11:30 am To 12:45 pm	Topology - I
	M.Sc.- II		General Relativity
26/11/2022	M.Sc.- I	11:30 am To 12:45 pm	Differential Geometry
	M.Sc.- II		Fluid Dynamics – I

- Note:- 1] Students who do not attend regularly will not be able to sit for the exam.
 2] Unit test is compulsory.
 3] Retest will not be taken.


 16.11.2022
 Head
 Department of Mathematics
 Shri Shivaji College, Akola.
 HEAD
 Department of Mathematics
 Shri Shivaji College of Arts,
 Commerce & Science, Akola

Shri Shivaji College of Arts, Commerce & Science, Akola.
Department of Microbiology
P.G. Unit Test Time Table
Session 2022-23
Winter 2022

S.N.	Name of Paper	Paper Code	Date	Time	Room No.
M.Sc.I – Semester I (CBCS New)					
1	Paper-I Microbial Techniques	[DSC, 1MCB1-C]	13.10.2022	12.00 Noon- 2.00 pm	24
2	Paper-II Microbial Enzymology	[DSC, 1MCB2]	14.10.2022	12.00 Noon- 2.00 pm	24
3	Paper-III Microbial Physiology And Photosynthesis	[DSE, 1MCB3]	15.10.2022	12.00 Noon- 2.00 pm	24
4	Paper-IV Environmental Microbiology	[DSC, 1MCB4]	16.10.2022	12.00 Noon- 2.00 pm	24
M.Sc.II – Semester III(CBCS New)					
5	PAPER-IX Molecular Biology	[DSC, 3MCB1]	13.10.2022	12.00 Noon- 2.00 pm	23
6	PAPER-X -DSC General Virology	[DSC, 3MCB2]	14.10.2022	12.00 Noon- 2.00 pm	23
7	PAPER-XI Fermentation Technology	[DSE, MCB3]	15.10.2022	12.00 Noon- 2.00 pm	23
8	PAPER-XII Immunology	[DSC, 3MCB4]	16.10.2022	12.00 Noon- 2.00 pm	23

S. K. Kulkarni

Head
 Dept of Microbiology
 Shri Shivaji College, Akola



Shri Shivaji College of Arts, Commerce & Science, Akola.
Department of Microbiology
P.G. Unit Test Time Table
Session 2022-23
Summer 2023

S.N.	Name of Paper	Paper Code	Date	Time	Room No.
M.Sc.I – Semester II(CBCS New)					
1	Paper-V Biostatistics, Bioinformatics And Computer Applications	[DSC, 2MCB1]	27.03.2023	12.00 Noon- 2.00 pm	24
2	Paper-VI Enzyme Technology	[DSC, 2MCB2]	28.03.2023	12.00 Noon- 2.00 pm	24
3	Paper-VII Microbial Metabolism	[DSC, 2MCB3]	29.03.2023	12.00 Noon- 2.00 pm	24
4	Paper-VIII Environmental Microbiology and Extremophiles	[DSC, 2MCB4]	31.03.2023	12.00 Noon- 2.00 pm	24
M.Sc.II – Semester IV(CBCS New)					
5	PAPER-XIII Biotechnology	[DSC, 4MCB1]	27.03.2023	12.00 Noon- 2.00 pm	23
6	PAPER-XIV Clinical Virology	[DSC, 4MCB2]	28.03.2023	12.00 Noon- 2.00 pm	23
7	PAPER-XV Microbial Technology	[DSC, 4MCB3]	29.03.2023	12.00 Noon- 2.00 pm	23
8	PAPER-XVI Medical Microbiology	[DSC, 4MCB4]	31.03.2023	12.00 Noon- 2.00 pm	23



Head

Dept of Microbiology
Shri Shivaji College, Akola

SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE ,
AKOLA

DEPARTMENT OF CHEMISTRY

Internal Unit Test 2022 – 2023

Notice

All students of M.Sc Chemistry are hereby inform that their College Unit Test (for internal assessment) is scheduled as per following Time Table.

Class	Paper	Date	Time
M.Sc I Sem I	Inorganic Chemistry Paper I	28/11 /2022	12.00 to 2.00
	Organic Chemistry Paper II	29/11/2022	
	Physical Chemistry Paper III	30/11/2022	
	Analytical Chemistry Paper IV	2/12/2022	
M.Sc IISemII	Spectroscopy Paper IX	28/11 /2022	12.00 to 2.00
	Thermal and Electroanalytical Methods Paper X	29/11/2022	
	Organic Synthesis-I Paper XI	30/11/2022	
	Organic Chemistry -II (Natural Product - I) Paper XII	2/12/2022	

K. P. Puri
Head
Department of Chemistry
Shri Shivaji College, AKOLA

SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE AKOLA
P.G. DEPARTMENT OF CHEMISTRY
INTERNAL UNIT TEST 2022-2023

Notice

All students of M.Sc. Chemistry are hereby inform that their College Unit test
(For internal assessment) is scheduled as per following time table.

Class	Paper	Date	Time
M.Sc I Sem II	Co-ordination Chemistry	15/04/2023	12:00 to 2:00 PM
	Organic Chemistry-II	17/04/2023	
	Physical Chemistry-II	18/04/2023	
	Optical Methods & Environmental Chemistry	19/04/2023	
M.Sc II Sem IV	Spectroscopy-II	15/04/2023	12:00 to 2:00 PM
	General Analytical Chemistry	17/04/2023	
	Organic Chemistry-III (Organic Synthesis-II)	18/04/2023	
	Organic Chemistry (Applied & Medicinal Chemistry)	19/04/2023	


Head

Kishore Duri
Department of Chemistry
Professor and Head
Department of Chemistry
Shri Shivaji College, Akola

PG DEPARTMENT OF COMPUTER SCIENCE

Session 2022-23

Notice

Unit Test

Time Table for the M.Sc.-I (Semester-I) and M.Sc. II (Semester-III)

Winter 2022

Sr. No.	Date	Time	M.Sc.-I	M.Sc.-II
1	14/11/22	12:00 PM to 02:00 PM	1MCS1	3MCS1
2	15/11/22	12:00 PM to 02:00 PM	1MCS2	3MCS2
3	16/11/22	12:00 PM to 02:00 PM	1MCS3	3MCS3
4	17/11/22	12:00 PM to 02:00 PM	1MCS4	3MCS4
5	18/11/22	12:00 PM to 02:00 PM	1MCS6(5)	-----

Notes: Unit Test will be based on first 2 units of all subjects.



Head

Dept. of Computer Science

Department Of Computer Science

Science

Shri Shivaji College Akola.

SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA
PG DEPARTMENT OF COMPUTER SCIENCE

SESSION 2022-2023

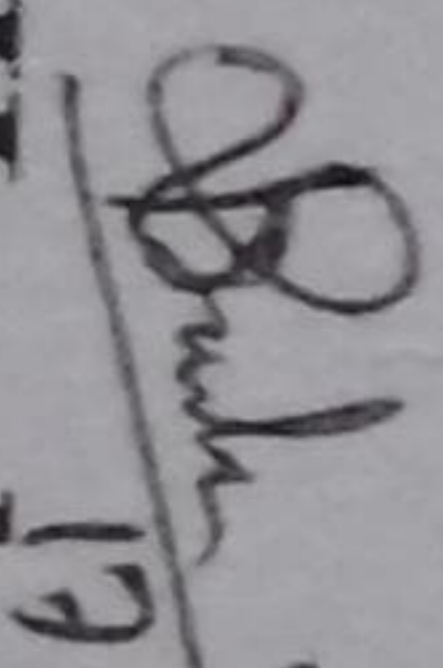
NOTICE

UNIT TEST

Time table for the M.Sc. I (Semester II) and M. Sc. II (Semester IV)

Sr. No.	Date	Time	M. Sc. I	M. Sc. II
1	19/04/2023	12:00 pm to 02:00 pm	2MCS1	4MCS1
2	20/04/2023	12:00 pm to 02:00 pm	2MCS2	4MCS2
3	21/04/2023	12:00 pm to 02:00 pm	2MCS3	4MCS3
4	23/04/2023	12:00 pm to 02:00 pm	2MCS4	4MCS4(3)
5	24/04/2023	12:00 pm to 02:00 pm	2MCS6(1)	-----

Notes: Unit Test Will Be Based on First 3 Units of All Subjects.


19.04.2023
Head

(Department of Computer Science)

Department Of Computer
Science
Shri Shivaji College Akola

Shri Shivaji College of Arts, Commerce & science, Akola.

Department of Home Science.

1st Unit Test Exam Time Table (2022- 23) Summer .

M.Sc. Food Science & Nutrition II Year Sem IV

S. No	Subject	Date	Time
1	Food Informatics	27/2/23	12 To 1 pm
2	Current Trends & Issues in FN	28/2/23	12 To 1 pm
3	Scientific Writing	1/3/23	12 To 1 pm

M.Sc. Textile Clothing II Year

S. No	Subject	Date	Time
1	Current Trends & Issues in TC	27/2/23	12 To 1 pm
2	CAD in Textile & Fashion	28/2/23	12 To 1 pm
3	Scientific Writing	1/3/23	12 To 1 pm

M.Sc. Human Development II Year

S. No	Subject	Date	Time
1	Personal Empowerment	27/2/23	12 To 1 pm
2	Current Trends & Issues in HD	28/2/23	12 To 1 pm
3	Scientific Writing	1/3/23	12 To 1 pm

Anjali Kaware

HEAD

Department of Home Science

Dr. Anjali J. Kaware

Professor & Head,

Department of Home Science

Shri Shivaji College of Arts, Commerce
& Science, Akola

Shri. Shivaji College of Arts, Commerce & Science , Akola
Department of Home Science
Unit Test -I
UG Time Table Summer-2023

B.Sc. Home Science I Year Sem II

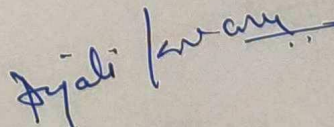
Sr. No.	Subject	Date	Time
1	Communication Skills	27-2-2023	12-1 pm
2	Composite Home Science I	28-2-2023	12-1 pm
3	Composite Home Science I I	1-3-2023	12-1 pm
4	Nutritional Biochemistry	2-3-2023	12-1 pm

B.Sc. Home Science II Year Sem IV

Sr. No.	Subject	Date	Time
1	Resource Management	27-2-2023	12-1 pm
2	Food & Nutrition	27-2-2023	2-3 pm
3	Human Development	28-2-2023	12-1 pm
4	Textile & Clothing	28-2-2023	2-3 pm
5	Communication & Extension	1-3 -2023	12-1 pm
6	Nutritional Biochemistry	1-3 -2023	2-3 pm
7	Computer Application	2-3 -2023	12-1 pm

B.Sc. Home Science III Year Sem VI

Sr. No.	Subject	Date	Time
1	Resource Management	27-2-2023	12-1 pm
2	Food & Nutrition	27-2-2023	2-3 pm
3	Human Development	28-2-2023	12-1 pm
4	Textile & Clothing	28-2-2023	2-3 pm
5	Communication & Extension	1-3 -2023	12-1 pm
6	Health Hygiene & Microbiology	1-3 -2023	2-3 pm



HEAD

Department of Home Science

Dr. Anjali J. Kaware

Professor & Head,

Department of Home Science

Shri Shivaji College of Arts, Commerce
& Science, Akola

Shri Shivaji College of Arts, Commerce & science, Akola.

Department of Home Science.

1st Unit Test Exam Time Table (2022- 23) Summer

M.Sc. Food Science & Nutrition I Year *Sem II*

S. No	Subject	Date	Time
1	Nutritional Biochemistry	27/2/23	12 To 1 pm
2	Clinical Nutrition & Dietetics II	28/2/23	12 To 1 pm
3	Community Nutrition	1/3/23	12 To 1 pm
4	Food Service Management	2/3/23	12 To 1 pm

M.Sc. Textile Clothing I Year *Sem II*

S. No	Subject	Date	Time
1	Advance Textile Design	27/2/23	12 To 1 pm
2	Apparel Construction	28/2/23	12 To 1 pm
3	Fashion Communication	1/3/23	12 To 1 pm
4	Eco Textile & Environment	2/3/23	12 To 1 pm

Anjali Kaware

HEAD

Department of Home Science.

Dr. Anjali J. Kaware

Professor & Head,

Department of Home Science

Sh. Shivaji College of Arts, Commerce
& Science, Akola

Shri Shivaji College of Arts, Commerce & science, Akola.

Department of Home Science

I Unit Test Exam - Time Table Winter (2023-24)

M.Sc. Food Science & Nutrition I Year Sem I

S. No	Subject	Date	Time
1	Research Methodology & Sat. App	2-9-2023	12 To 1 pm
2	Food Science	4-9-2023	12 To 1 pm
3	Clinical Nutrition & Dietetics I	4-9-2023	2 To 3 pm
4	Approaches In Nutrition	6-9-2023	12 To 1 pm
5	Advanced Nutrition	6-9-2023	2 To 3 pm

M.Sc. Textile Clothing I Year Sem I

S. No	Subject	Date	Time
1	Research Methodology & Sat. App	2-9-2023	12 To 1 pm
2	Fashion concepts & Designing	4-9-2023	12 To 1 pm
3	Textile Chemistry	4-9-2023	2 To 3 pm
4	Advanced Textile Design	6-9-2023	12 To 1pm
5	Historic Costumes	6-9-2023	2 To 3 pm

Anjali Kaware

HEAD

Dr. Anjali J. Kaware
Professor & Head,
Department of Home Science
Shri Shivaji College of Arts, Commerce
& Science, Akola

Shivaji College of Arts, Commerce & science, Akola.

Department of Home Science

I Unit Test Exam- Time Table Winter (2023- 24)

M.Sc. Food Science & Nutrition II Year Sem III

S. No	Subject	Date	Time
1	Food Microbiology	2-9-2023	12 To 1 pm
2	Research Methodology & Sat. App	4-9-2023	12 To 1 pm
3	Clinical Nutrition & Dietetics III	6-9-2023	12 To 1 pm
4	Nutrition Through Life Span	6-9-2023	2 To 3 pm

M.Sc. Textile Clothing II Year

S. No	Subject	Date	Time
1	Research Methodology & Sat. App	2-9-2023	12 To 1 pm
2	Textile Testing & Quality Control	4-9-2023	12 To 1 pm
3	Social & Psychological Aspects	6-9-2023	12 To 1 pm
4	Dyeing & Printing	6-9-2023	2 To 3 pm

Anjali Kaware
HADE

Dr. Anjali J. Kaware
Professor & Head,
Department of Home Science
Shri Shivaji College of Arts, Commerce
& Science, Akola

Shri. Shivaji College of Arts, Commerce & Science, Akola
Department of Home Science
Unit Test –I
UG Time Table. Winter-2023-24

B.Sc. Home Science I Year Sem I

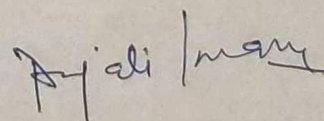
Sr. No.	Subject	Date	Time
1	Communication Skills	2-9-2023	12-1 pm
2	Fundamentals of Home Science I	4-9-2023	12-1 pm
3	Fundamentals of Home Science II	6-9-2023	12-1 pm
4	Nutritional Biochemistry	6-9-2023	2-3 pm

B.Sc. Home Science II Year Sem III

Sr. No.	Subject	Date	Time
1	Housing & Interior Enrichment	2-9-2023	12-1 pm
2	Food Science	4-9-2023	12-1 pm
3	Life Span Development	4-9-2023	2-3 pm
4	Textile Science	6-9-2023	12-1 pm
5	Dynamic Communication & Extension	6-9-2023	2-3 pm

B.Sc. Home Science III Year Sem V

Sr. No.	Subject	Date	Time
1	Resource Management	2-9-2023	12-1 pm
2	Food & Nutrition	2-9-2023	2-3 pm
3	Human Development	4-9-2023	12-1 pm
4	Textile & Clothing	4-9-2023	2-3 pm
5	Communication & Extension	6-9-2023	12-1 pm
6	Health Hygiene & Microbiology	6-9-2023	2-3 pm



HEAD

Department of Home Science
Dr. Anjali J. Kaware
Professor & Head,
Department of Home Science
Shri Shivaji College of Arts, Commerce
& Science, Akola

Shri. Shivaji College of Arts, Commerce & Science , Akola
Department of Home Science
Unit Test -II
UG Time Table Summer-2023
B.Sc. Home Science I Year Sem II


Sr. No.	Subject	Date	Time
1	Communication Skills	29-3-2023	12-1 pm
2	Composite Home Science I	30-3-2023	12-1 pm
3	Composite Home Science II	31-3-2023	12-1 pm
4	Nutritional Biochemistry	31-3-2023	2-3 pm

B.Sc. Home Science II Year Sem IV

Sr. No.	Subject	Date	Time
1	Resource Management	29-3-2023	12-1 pm
2	Food & Nutrition	29-3-2023	2-3 pm
3	Human Development	30-3-2023	12-1 pm
4	Textile & Clothing	30-3-2023	2-3 pm
5	Communication & Extension	31-3-2023	12-1 pm
6	Nutritional Biochemistry	31-3-2023	2-3 pm
7	Computer Application	31-3-2023	4-5 pm

B.Sc. Home Science III Year Sem VI

Sr. No.	Subject	Date	Time
1	Resource Management	29-3-2023	12-1 pm
2	Food & Nutrition	29-3-2023	2-3 pm
3	Human Development	30-3-2023	12-1 pm
4	Textile & Clothing	30-3-2023	2-3 pm
5	Communication & Extension	31-3-2023	12-1 pm
6	Health Hygiene & Microbiology	31-3-2023	2-3 pm


HEAD

Department of Home Science

HEAD

Department of Home Science
Shri Shivaji College of Arts,
Commerce & Science AKOLA

Shri Shivaji College of Arts, Commerce & science, Akola.

Department of Home Science

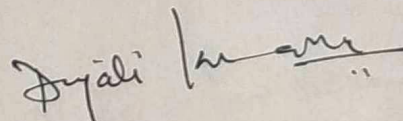
II Unit Test Exam - Time Table Summer (2022- 23)

M.Sc. Food Science & Nutrition I Year Sem II

S. No	Subject	Date	Time
1	Nutritional Biochemistry	29-3-23	12 To 1 pm
2	Clinical Nutrition & Dietetics II	30-3-23	12 To 1 pm
3	Community Nutrition	31-3-23	12 To 1 pm
4	Food Service Management	31-3-23	1 To 2 pm

M.Sc. Textile Clothing I Year Sem II

S. No	Subject	Date	Time
1	Advance Textile Design	29-3-23	12 To 1 pm
2	Apparel Construction	30-3-23	12 To 1 pm
3	Fashion Communication	31-3-23	12 To 1 pm
4	Eco Textile & Environment	31-3-23	1 To 2pm


HEAD

Department of Home Science.

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Commerce & Science, AKOLA

Shivaji College of Arts, Commerce & science, Akola.

Department of Home Science

II Unit Test Exam- Time Table Summer (2022- 23)

M.Sc. Food Science & Nutrition II Year Sem IV

S. No	Subject	Date	Time
1	Food Informatics	29-3-23	12 To 1 pm
2	Current Trends & Issues in FN	30-3-23	12 To 1 pm
3	Scientific Writing	31-3-23	12 To 1 pm

M.Sc. Textile Clothing II Year

S. No	Subject	Date	Time
1	Current Trends & Issues in TC	29-3-23	12 To 1 pm
2	CAD in Textile & Fashion	30-3-23	12 To 1 pm
3	Scientific Writing	31-3-23	12 To 1 pm

M.Sc. Human Development II Year

S. No	Subject	Date	Time
1	Personal Empowerment	29-3-23	12 To 1 pm
2	Current Trends & Issues in HD	30-3-23	12 To 1 pm
3	Scientific Writing	31-3-23	12 To 1 pm

[Signature]
HEAD

Department of Home Science

HEAD
Department of Home Science
Shri Shivaji College of Arts

-
- Q.1) A) Choose the correct alternative:** 5 Marks
- 1...is the coenzyme is participate in energy producing reaction
A) NAD B) TPP C) Biotin D) folic acid
2. coenzymes are... in nature
A) Inorganic B) Protenicious C) Organic D) Non-protenicious
3. ...catalyse the reaction by accepting a proton
A) Acid B) Entrapment C) Enzyme D) Bases
4. LDH has following number of isoenzymes
A) 5 B) 3C) 11 D) 2
5. ...can be a drug or substance which create a certain action
A) Agonist B) Antagonist C) Agonist and Antagonist D) None of these
- Q.1) B) Fill in the blanks :** 3marks
1. Biotin participates in---reaction
- 2.....is the chemical messengers that co-ordinate differernt function in your body
- 3.As temprature increasesactivity increases
- Q.1) C) Define the following :** 2 marks
- 1.Active Site
2. Substrate
- Q2. Answer the following :**
- A) Describe in detail structure and function of TPP and Biotin 6 marks
OR
Discuss in detail structure and function of NAD and FAD 6marks
- B) What are cofactors? Explain their types 4 marks
OR
Give a brief account on ES complex 4 marks
- Q3) Answer the following :**
- A) Explain enzyme immobilization with its types,and industrial application 6 marks
OR
Explain multifunctional enzyme [DNA polymerase] 6 marks.
- B) What is Receptor? Shows the action of lipid soluble membrane. 4 marks
OR
What is fast reaction? Explain stop flow method 4 marks
- Q.4) Answer the following :**
- A) How temperature and pH affects enzyme activity?Give a detail account. 6 marks
OR
Predict the Transtion State.Enlist its importance in reaction. 6 marks
- B) Comment on Acid-Base catalysis 4 marks
OR
Write note on covalent catalysis. 4 marks

Q.1) A) Choose the correct alternative: (5 M)

1. The enthalpy of a substance is define as.....

A) $h=u-pv$ B) $h= u+pv$ C) $h=u-pv$ D) None.

2. The SI unit of entropy is.....

A) J/K B) J C) J/S D) none of the above

3.....is called as the energy currency of cell.

A) Mitochondria B) ATP C) NAD D) NADH

4.Electron transport system(ETS) is present in which of the following parts of mitochondria.

A) Inner membrane B) Outer membrane C) Matrix D) Stroma

5. Ubiquinone transfer its electrons to.....

A) Complex I B) Complex II C) Matrix D) Cyt.C.

Q.1) B) Fill in the blanks : (3 M)

1. Heat transfer at constant pressurethe enthalpy of a system.

2.ATP molecule hassubunit.

3. During cellular respiration ,chemiosmosis occurs in.....

Q.1) C) Define the following : (2 M)

1) ATP. 2) Entropy.

Q2. Answer the following :

A) Explain free energy ,standard free energy and its application. (6 M)

OR

State the first & second law of thermodynamics with its applications. (6 M)

B) Write Gibbs free energy & enthalpy. (4 M)

OR

Write coupling of energetically unfavourable & favourable reaction. (4 M)

Q3) Answer the following :

A) Explain role of ATP in shifting the equilibrium of coupled reaction. (6M)

OR

Explain energy cycle & specialised role of ATP as universal currency in biological system. (6M)

B) Write trans phosphorylation. (4 M)

OR

Write high phosphoril potential of ATP structural basis. (4 M)

Q.4) Answer the following :

A) Write ultra structure of mitochondria with its application. (6 M)

OR

Explain factors affecting ETC. (6 M)

B) Heme & non heme iron binding protein. (4 M)

OR

Write thermodynamic consideration. (4 M)

Shri Shivaji Collage of Arts Commerce and Science, Akola
Department of Zoology
Unit Test Exam (Winter) 2022
M.Sc (2nd year) Semester-III
Paper-I (Molecular Cytogenetics-I)
Date 16/11/22

Time: 1 hour

Marks 32

- Notes
- 1) All question are compulsory.
 - 2) All question carry equal marks.
 - 3) Draw the diagram wherever necessary.

1, Describe DNA repair mechanism.

OR

Explain the following ;

- a) Basic features of mutation
- b) chemical mutagens
- c) DNA replication machinery
- d) enzymes involved in DNA repair mechanism

2. Explain in details mechanism of cell fusion and its agents.

OR

Explain the following :

- a) Agents of Cell fusion.
- b) Methyl CPG recognition.
- c) Radiation hybrid panel and gene mapping.
- d) Sumoylation of histones

3. Describe the properties of cancer cell

OR

Explain the following

- a) Retrotransposons
- b) Metastasis
- c) Mobile DNA and hybrid dysgenesis in *Drosophilla*.
- d) Rb tumor suppressive gene

4 . Explain the following

- a) Cystic fibrosis
- b) Deletion and Robertsonian translocation.
- c) Albinism.
- d) Emphysema

OR

- a) Glucose (-phosphate dehydrogenase deficiency
- b) Nondisjunction and aneuploidy.
- c) Parkinson's disease.
- d) Edwards syndrome

5. Describe the structure of mitochondrial DNA and Leber's hereditary optic neuropathy.

OR

Explain the following

- a) Amniocentesis.
- b) Myoclonic epilepsy and ragged red fiber disease,
- c) Kem-Sayre syndrome.
- d) Carrier Detection by PC



Shri Shivaji Collage of Arts Commerce and Science, Akola
Department of Zoology
Unit Test Exam (Winter) 2022
M.Sc (2nd year) Semester-III
Paper-II (Molecular Cytogenetics-II)
Date 17/11/22

Time: 1 hour

Maxi marks 32

- Note :- 1) All question are compulsory.
2) All question carry equal marks.
3) Draw the diagram wherever necessary.

1. Discuss generalized and specialized transduction in bacteria.

OR

Explain the following

- Types of bacteriophage.
- Inheritance of shell-coiling in limnaea
- specialized transduction
- Conjugation in Bacteria

2. Describe polytenization process in Drosophila and its significance.

OR

Explain the following

- Induction of puff's by stress
- Molecular basis of behavioural traits in Drosophila
- Circadian Oscillation in Drosophila.
- Ecdysone in puff formation.

3. Explain the following

- Application of DNA fingerprinting in Forensics.
- flow cytometry.
- Lambda phage genome.
- Principle of functional genomics.

OR

- Application of Chromosome painting
- Sanger di-deoxy method of DNA sequencing.
- PCR Primer
- Application of functional genomics.

4. Explain molecular basis of quantitative traits with suitable examples

OR

Explain inbreeding depression and heterosis with suitable examples.

5. Describe the following :

- Parsimony method.
- Method of DNA-DNA hybridization.
- Concept of molecular clock
- Structure of vertebrate mitochondrial genome.

OR

- Distance matrix method.
- Homology searching of nucleotide sequence
- Protein phylogeny.
- Role of mitochondrial DNA in human evolution



1 Shri Shivaji Collage of Arts Commerce and Science, Akola
Department of Zoology
Unit Test Exam (Winter) 2022
M.Sc (2nd year) Semester-III
Paper – XI
(Elective Paper Entomology - I)
Insect Classification and Morphology
Date 18/11/22

Time : 1 hr

Marks: 32

- Note :- 1) All question are compulsory.
2) All question carry equal marks.
3) Draw the diagram wherever necessary

- 1) Give an account of major classification of class insecta.

OR

Explain following

- (a) Modern scheme of insect classification.
(b) Thysauroidea.
(c) Diplura.
(d) Odonata.

2. Describe the followings :-
a) Economically important families of Neuroptera
b) General biology of Lepidoptera.
c) General biology of coleoptera
d) Distinguishing characters of Diptera.

OR

Explain in details the Economically important families of order Lepidoptera

3. Give the detail account on structure and modification of head.

OR

Explain the following

- a) Structure of Body wall
b) Rasping Mouth parts.
c) Types of antennae.
d) Neck sclerites.

4. Explain structure and modification of wings

OR

Give the account of

- a) Areas and sutures of tergum.
b) Structure and modification of wing.
c) Mechanism of flight.
d) Sutures of legs.

5. Describe female genitalia in insect

OR

Explain the following

- a) Post genital appendages
b) Female genitalia
c) The mechanoreceptor: tactile organ
d) Structure of sensilla trichoidea

Shri Shivaji Collage of Arts Commerce and Science, Akola
Department of Zoology
Unit Test Exam (Winter) 2022
M.Sc (2nd year) Semester-III
Paper – XII
(Elective Paper Entomology -II)
Insect Anatomy and Physiology
Date 19/11/22

Time : 1 hr

Marks: 32

- Note :- 1) All question are compulsory.
2) All question carry equal marks.
3) Draw the diagram wherever necessary

1. Give the detail account on structure and modification of digestive system of insects.

OR

Explain in details

- Filter chamber
- Salivary glands
- Goblet cells
- Digestive enzymes

- 2 .Give the detail account of structure and modification of respiratory system.

OR

Give the account of the following

- Structure of spiracle
- Tracheoles.
- Osmoregulation.
- Physiology of malpighian tubule

- 3 Describe the structure and modification of nervous system.

OR

Explain the following

- Cholinergic system
- Modulators.
- Johnston's organ.
- Structure of neuron

- 4 Structure and modifications of male reproductive system.

OR

Explain the following :-

- Ring gland complex in Diptera'
- Neurosecretory cell'
- Testis structure
- types of overy

- 5 Explain in detail the metamorphosis and hormonal control in insects

OR

Write in detail

- Control of metamorphosis
- types of larvae
- Structure and composition of egg'
- diapause

Shri Shivaji College of Arts Commerce & Science, Akola
Department of Zoology
Unit Test Exam (Winter)2022
M.Sc (Part-I) Semester-I

Paper - I (Animal Structure & Function of Non-Chordate)

Time:- 1 Hour

Date:- 16/11/22

Maximum Marks:-32

Note:-1:- All question carry equal marks

2:-Solve any Two questions

3:- Illustrate your answer with suitable diagram wherever necessary

1) Explain the Basic concept of biosystematics taxonomy & Classification.

OR

(16)

Give an account of the following

- Phylogram
- Parsimony method of classification
- Molecular taxonomy
- Species concept

2) Describe the insect flight mechanism

OR

(16)

Describe feeding and digestion in Bryozoans & Echinodermata

3) Describe gill respiration in Mollusca & tracheal respiration in Arthropoda.

OR

Describe respiratory pigments in Invertebrates

4) Describe the Nervous system of Arthropoda

OR

(16)

Explain the following:

- Cephalopods nervous system
- Chemotaxis in Insects
- Mechanoreceptors
- Chemoreception in Insects

5) Describe the Metamorphosis & Molting in Insects

OR

Give an account on the following:

(16)

- Parthenogenesis
- Hermaphroditism
- Sexual reproductive Mechanism
- Larva of Porifera

Shri Shivaji College of Arts Commerce & Science, Akola
Department of Zoology
Unit Test Exam (Winter)2022
M.Sc (Part-I) Semester-I
Paper - III (Gamete Biology)
Date:- 18/11/22

Maximum Marks:-32

Time:- 1 Hour

- Note:- 1:- All question carry equal marks
2:- Solve any Two questions
3:- Illustrate your answer with suitable diagram wherever necessary

- 1) Describe the Leydig Cells its regulation and Function. (16)
OR
Give an account of the following
a) Composition of Semen
b) Sperm Function
c) Morphological basis of Spermatogenesis
d) Gamete gene Expression
- 2) Describe the Ovulation and its regulation. (16)
OR
Give an account of the following.
a) Oogenesis
b) Sperm motility
c) Acrosome reaction
d) Capacitation
- 3) Describe the Cleavage and its type. (16)
OR
Give an account of the following
a) Gastrulation
b) Embryogenesis
c) Genomic imprinting
d) Germ layer
- 4) Describe the In vitro fertilization in detail. (16)
OR
Give an account on the following:
a) Superovulation
b) ICSI & GIFT
c) Collection of gamete
d) Disadvantage of ART
- 5) Describe the Gene Therapies. (16)
OR
a) Transgenic Animal
b) Gene knockout technology
c) In vivo gene therapies
d) Antigen & Antisense therapies.

Shri Shivaji College of Arts Commerce & Science, Akola
Department of Zoology
Unit Test Exam (Winter)2022
M.Sc (Part-I) Semester-I
Paper - III (Gamete Biology)

Time:- 1 Hour

Date:- 18/11/22

Maximum Marks:-32

- Note:-1:- All question carry equal marks
- 2:-Solve any Two questions
- 3:- Illustrate your answer with suitable diagram wherever necessary

- 1) Describe the Leydig Cells its regulation and Function. (16)
OR
Give an account of the following
a) Composition of Semen
b) Sperm Function
c) Morphological basis of Spermatogenesis
d) Gamete gene Expression
- 2) Describe the Ovulation and its regulation. (16)
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OR
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c) Collection of gamete
d) Disadvantage of ART
- 5) Describe the Gene Therapies. (16)
OR
a) Transgenic Animal
b) Gene knockout technology
c) In vivo gene therapies
d) Antigen & Antisense therapies.

Shri Shivaji College of Arts Commerce & Science, Akola
Department of Zoology
Unit Test Exam (Winter)2022
M.Sc (Part-I) Semester-I
Paper - IV (Genes and Differentiation)
Date:- 19/11/22

Time:- 1 Hour

Maximum Marks:-32

- Note:-1:- All question carry equal marks
2:- Solve any Two questions
3:- Illustrate your answer with suitable diagram wherever necessary

1) Explain the Germ cell Migration in Mammals & Birds.

OR

(16)

Give an account of the following

- a) Cell Commitment
- b) Autonomous cell Specification
- c) Characteristics of cell differentiation
- d) Germ cell determination in insects

2) Describe the Axes & Pattern formation in Drosophila

OR

(16)

Give an account of the following.

- a) Homeo box Concept
- b) Proximate tissue interaction
- c) Phylogenic group
- d) Body axis formation

3) Describe the Contraception and its method.

OR

(16)

Give an account of the following

- a) Sperm specific antigens
- b) Changing evolution through development modularity
- c) Physical barrier in Contraception
- d) Developmental Constraints.

4) Describe Secondary Sex determination in Mammals and differentiation of gonads

OR

Give an account on the following:

- a) Biology of Sex determination
- b) Differentiation of Gonad
- c) Regeneration
- d) Connective tissue Family

5) Describe the Stem Cells, & its types.

OR

(16)

- a) Aplastic anemia
- b) Embryonic stem Cells
- c) Bone marrow transplantation
- d) Adult Stem cells

Shri. Shivaji college of Arts Commerce and Science, Akola.

Department of Home Science

B. Sc (Homescience)

Unit test-2

Winter 2022-2023

Subject- Fundamentals of home science -1

Time:1hr

Total marks:-36

- Q. 1-Meaning and definition of Resource Management. (4Marks)
- Q. 2-Give classification of resources. (8 Marks)
- Q. 3- state the physiological, psychological, social and spiritual function of food. (8 Marks)
- Q. 4 - write about protective and regulatory food. (4 Marks)
- Q. 5- Role of extension education in community development and Qualities of extension worker .
(8marks)
- Q. 6 write the Types of education . (4 marks).

Shri Shivaji College of Arts, Commerce & Science Akola.

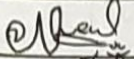
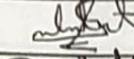
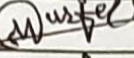
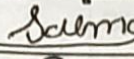
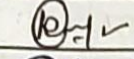

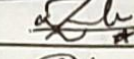



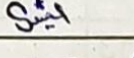

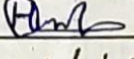
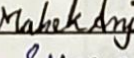
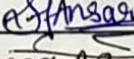
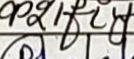
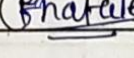
Session 2022-2023

STUDENT ATTENDANCE SHEET

Class BSC 'I' Date 6-12-2022 Name of Teacher Dr. Anjali Kawane

Time _____ Subject Fundamental H. Sci 'II'

Topic _____ Tought _____

Roll No.	Name of Student	Signature	Roll No.	Name of Student	Signature
1	Uoufiya Nawal		31	30	
2	Sabahat Noor		32	32	
3	Mustera Mahin		33	31	
4	Saima Adilveer		34	30	
5	Ramsha Anam		35	18	
6	Aniket Wankhade		36	19	
7	Zainab Sadaf		37	20	
8	Sayyeda Muffera		38	21	
9	Fatema Zohra		39	22	
10	Adiba Firdous		40	28	
11	Sanatul Firdous		41	21	
12	Gayatri Tarale		42	22	
13	Huzefa Anjum		43	25	
14	Mahak Anjum		44	27	
15	Sariya Shafar		45	29	
16	Kashfiya Sasoji		46	18	
17	Pranali ghafale		47	20	
18			48		
19			49		
20			50		
21			51		
22			52		
23			53		

Shri Shivaji College Arts Commerce & Science Akola
Department of Home Science

Unit Test - II

Winter - 2022- 2023

B.Sc.-II Year Sem – III (Home Science)

Subject-Textile and Clothing

Time-1 hours

Marks: 36

-
- Q1 . Write about method of fabric construction, weaving , knitting. 8
- Q.2 write on . 2
- 2.1 Felting
- 2.2 Braiding 2
- Q.3. Write about the equipment's and supplies used in clothing construction. 8
- 3.1 Write on Parts of sewing machine . 4
- Q.5 What are the principles of clothing construction? 8
6. Answer in one two sentences. 4
- 6.1 Defination of cutting and marking
- 6.2 What is Body measurement .
- 6.3 Meaning of paper pattern .
- 6.4 Defination of clothing .

Shri Shivaji College of Arts, Commerce & Science Akola.

Session 20 22-20 23

STUDENT ATTENDANCE SHEET

Class BSc II yr Date 6/12/22 Name of Teacher Anjali Kaware
Time 2:00pm to 3:00pm Subject Textile & clothing

Topic _____ Tought _____

Roll No.	Name of Student	Signature	Roll No.	Name of Student	Signature
1	Suhani Jain		31	Marks: 36 33	
2	Ayesha Nabeem		32	32	
3	Saba Saniger		33	30	
4	Mahelk Firdous		34	33	
5	Safiya Ruheen		35	33	
6	Anam Jahneem		36	32	
7	Zubiya Afsreen		37	33	
8	Humera Sadaf		38	34	
9	Munazza Fateme		39	34	
10	Laiba Khanam		40	35	
11			41		
12			42		
13			43		
14			44		
15			45		

Shri. Shivaji college of Arts Commerce & Science Akola.

Department of Home Science

Unit Test II

Winter 2022

B.Sc. Home Science sem III

Subject – Food & Nutrition

Q.1 Write in Detail about Advantages of Breastfeeding and Nutritional requirement of infants up to 12 months. (8M)

Q.2 Write on. (4M)

2.1 Mothers Milk/ Breast Milk

2.2 Weaning food

Q. 3 Nutrition and Diet during Adolescent period and Nutritional requirement during Adolescent stage. (8M)

Q.4 Write on: (4M)

4.1 Food to be avoided in School going children's diet

4.2 Food to be included in School going children's diet

Q.5 *Explain the* Nutrition and diet during Adulthood and Nutritional Requirement during adolescence stage. (8M)

Q.6. Write on (4M)

6.1 Nutrition and diet during old age

6.2 Biological changes in the aging process

Shri Shivaji College of Arts, Commerce & Science Akola.

Session 2022 - 2023

STUDENT ATTENDANCE SHEET

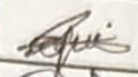
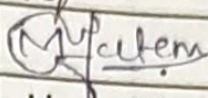
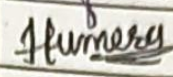

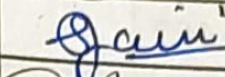
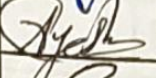
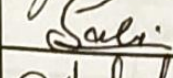
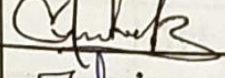

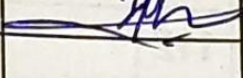
Class Bsc II year Date 5/12/2022 Name of Teacher Pramita Rathod

Time _____

Subject Food Nutrition

Topic _____

Tought _____

Roll No.	Name of Student	Signature	Roll No.	Name of Student	Signature
1	Safiya Ruheen		31	22	
2	Munazza Fatema		32	23	
3	Humera Sadaf		33	24	
4	Laiba Khanam		34	22	
5	Subani Jain		35	22	
6	Ayesha Naseem		36	19	
7	Saba Saniya		37	20	
8	Mahelk Firdous		38	19	
9	Zubiya Aroeen		39	18	
10	Anam Tehsim		40	22	
11			41		
12			42		
13			43		
14			44		
15			45		
16			46		