

## Criterion 2- TEACHING-LEARNING AND EVALUATION



Shri Mahantswami Shikshan PrasarakMandal's

# Shri Kumarswami Mahavidyalaya, Ausa Tq.Ausa Dist.Latur

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Reaccredited "B" Grade (2<sup>nd</sup> Cycle)

Best Principal Award 2021 by SRTMUN

**(UG-Arts, Commerce & Science)**

Est. Year: 1971

## Criterion 2- TEACHING-LEARNING AND EVALUATION

Criterion 2	Description
<b>2.6</b>	<b>Student Performance and Learning Outcomes</b>

## Criterion 2- TEACHING-LEARNING AND EVALUATION

### 2.6 Student Performance and Learning Outcomes

Sr. No.	Description	Download
2.6.1	Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.	<a href="#">Link</a>
2.6.2	Attainment of Programme outcomes and course outcomes are evaluated by the institution.	<a href="#">Link</a>
2.6.3	Pass percentage of Students during the year	<a href="#">Link</a>

## **Criterion 2- TEACHING-LEARNING AND EVALUATION**

### **DOCUMENTS**

#### **2.6 Student Performance and Learning Outcomes**

**2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.**

## Criterion 2- TEACHING-LEARNING AND EVALUATION

श्री महंतस्वामी शिक्षण प्रसारक मंडळाचे  
श्री कुमारस्वामी महाविद्यालय  
औसा जि. लातूर, महाराष्ट्र, पिन-४१३५२०  
(कला, वाणिज्य, विज्ञान)  
(स्वामी रामानंद तर्क महाद्वारा विद्यापीठ नांदेडशी संलग्नित)



Estd. 1971

Shri Mahantswami Shikshan Prasarak Mandal's  
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PRINCIPAL

Ref.No.:SKSM/2023-24/

Date: / /

### DECLARATION

This is to declare that the information, reports, numerical data and photocopies furnished in this file assupporting documents is verified by IQAC and found correct.

Hence, this certificate.

  
IQAC Co-ordinator  
Shri Kumarswami Mahavidyalaya  
Ausa, Dist. Latur

  
Principal  
Shri Kumarswami Mahavidyalaya  
Ausa Dist. Latur

## **Criterion 2- TEACHING-LEARNING AND EVALUATION**

## Criterion 2- TEACHING-LEARNING AND EVALUATION

2.6.1 Programme outcomes (POs) and Course outcomes (COs) for all programmes offered by the institutions are stated and displayed on website and attainment of POs and COs are evaluated

Sr. No.	Particulars	Page No.	Weblinks
1	Programme outcomes (POs) and Course outcomes (COs) for all programmes offered by the institutions	5-59	
2	Year wise result of final year students	60-63	
6	Participation in NSS Activity	64-	

2.6.1.1 Programme outcomes (POs) and Course outcomes (COs) for all programmes offered by the institutions

### Programme Outcomes (POs) of B.A.

Sr. No.	PO. No.	Programme Outcomes (POs) of B.A.
1	PO1	The completion of the Programme will help the graduates
2	PO2	Acquire knowledge in the field of humanities and social sciences
3	PO3	Be sensitive to human values like respect, acceptance, empathy etc.

## Criterion 2- TEACHING-LEARNING AND EVALUATION

2.6.1.1 Programme outcomes (POs) and Course outcomes (COs) for all programmes offered by the institutions

### Programme Outcomes (POs) of B.A.

Sr. No.	PO. No.	Programme Outcomes (POs) of B.A.
1	P01	The completion of the Programme will help the graduates
2	P02	Acquire knowledge in the field of humanities and social sciences
3	P03	Be sensitive to human values like respect, acceptance, empathy etc.
4	P04	Develop aesthetic and moral sense
5	P05	Create a sense of social commitment and act over various social issues for their solutions
6	P06	Prepare themselves for various competitive exams and choose post- graduate programme of their choice

### Programme Outcomes (POs) of B.Sc.

Sr. No.	PO No.	Programme Outcomes (POs) of B.Sc.
1	P01	It will develop a scientific attitude to make students open minded, critical and curious.
2	P02	Meet the needs and requirements of the society and to enhance the quality and standards of education.
3	P03	Logical thinking, ability of expression of thoughts, decision making are encouraged.
4	P04	Updated education will be provided to the students at large in order to know the importance and scope of the programme.
5	P05	It will enable the students to face NET, SET, UPSC and other competitive examinations successfully.
6	P06	There will be development of skill among students in practical work, experiments and handling equipments.

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### Programme Outcomes B.Com.

Sr. No.	PO No.	Programme Outcomes (POs) of B.Com.
1	PO1	Acquire knowledge in the field of banking, insurance, management, accounting, purchasing, business economics and finance
2	PO2	Start up independently their own business
3	PO3	Go for higher education in finance, commerce, CA, CS, ICWA, MBA, MCom

### Programme Outcomes (POs) of Ph.D.

Sr. No.	PO No.	Programme Outcomes (POs) of Ph.D.
1	PO1	Understand the concepts and methods of research to develop research proposal and can work with problems.
2	PO2	Awareness about the computer application/software and its application in research.
3	PO3	Evaluate one's own research in relation to important and latest issues in the field.
4	PO4	Demonstrate critical understanding, at an advanced level for up-to-date knowledge and research methodology of a particular field.
5	PO5	Implement effective academic and personal strategies for carrying out research projects independently and ethically.
6	PO6	Contribute original knowledge in response to issues in their specialist area Communicate research findings at a diverse range of levels and through a variety of media.
7	PO7	Conclusions can be drawn after completing the research work which contributes in solving different economic and social problems.



## Criterion 2- TEACHING-LEARNING AND EVALUATION

### Programme Outcomes (POs) of N. S. S.

Sr. No.	PO No.	Programme Outcomes (POs) of N. S. S.
1	PO1	Making education more relevant to the present situation to meet the felt needs of the community and supplement the education of the university/college students by bringing them face to face with the rural situation.
2	PO2	Providing opportunities to the students to play their role in planning and executing development projects which would not only help in creating durable community assets in rural areas and urban slums but also results in the improvement of quality of life of the economically weaker sections of the community.
3	PO3	Encouraging students and non-students to work together along with the adults in rural areas. Developing qualities of leadership by discovering the talent potential among the campers, both students as well as local youth (Rural and Urban) with a view to involving them more intimately in the development program and also ensuring proper maintenance of the assets created during the camps.
4	PO4	Emphasizing dignity of labour and self-help and the need for combining physical work with intellectual pursuits among youth to participate enthusiastically in the process of national development and promote national integration through cooperative living and co-operative action.
5	PO4	While undertaking these activities, each NSS unit should envisage its programs/activities aimed at instilling discipline, building character, promotion of physical fitness and development of culture.

### Cultural

Sr. No.	PO No.	Programme Outcomes (POs) of Cultural
1	PO1	Exposure to lead happy and healthy life with arts and cultural activities Increased participation and enhanced experience in arts and culture through famous personalities.
2	PO2	Increased availability and accessibility to arts and cultural facilities by creating entertaining environment in the society.
3	PO3	Interested students who are active in this field having different skills like Singing.
4	PO4	Drama, Dance etc. may get an opportunity in the television and theatre

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### Sports & Physical Fitness

Sr. No.	PO No.	Programme Outcomes (POs) of Sports & Physical Fitness
1	PO1	Physical fitness for healthy participants and those with controlled disease by conducting assessments of muscular strength, muscular endurance and flexibility.
2	PO2	Review pre-participation health screening including self guided health questionnaires and appraisals, exercise history and fitness assessments and recommend safe and effective exercise programs to achieve desired outcomes and goals.
3	PO3	Increased participation in sports and exercise by making available the sports facilities to gain good position in the sports world.

### BA / BCOM/BSC – COMPULSORY ENGLISH

PSO 1: It helps student to understand short stories and essays on a variety of important topics.

PSO 2: It makes student to acquaint them with „prose“, its meaning and importance.

PSO 3: It helps to strengthen the vocabulary.

PSO 4: The students learn grammar units and write grammatically correct sentences.

PSO 5: It also encourages them to write short reports, personal and business letters, emails for a variety of purposes.

PSO 6: The language empowers students to prepare for competitive examination.

### BA - OPTIONAL ENGLISH

PSO 1: Students will be able to comprehend excellent pieces of prose and poetry in English literature.

PSO 2: It helps students to get acquainted with the literary genre of fiction, prose, drama, poetry, and criticism.

PSO 3: Students will be able to apply knowledge of English language to improve skills in Listening, Speaking, Reading and Writing

PSO 4: It helps them to learn, understand, speak phonetically and write grammatical English.

PSO 5: Students will be able to understand the evolution of criticism and its application in language and literature

PSO 6: It enables students to understand the universal values. It inculcates in the students the habit of reading

### Programme Special Outcomes Hindi

1. Introducing autobiography and long poem to students.

2. To make students aware of the method of official letter writing.

3. Introducing students to journalism.

4. To develop the art of translation from English to Hindi in students.

5. To make students familiar with the Hindi used in the government office through the terms defined.

## **Criterion 2- TEACHING-LEARNING AND EVALUATION**

6. Creating an interest in literature.
7. Imbuing the literary research attitude.

### **Programme Special Outcomes Marathi**

1. To create interest in students about Marathi language.
2. Explain the importance of language in personality development.
3. Creating an interest in literature.
4. Learn how to use Marathi language in administrative practice.
5. Review of science literature.
6. Explain the nature of essay writing.

### **Programme Special Outcomes Economics**

1. Understanding how different degrees of competition in a market affect pricing and output.
2. Understanding the efficiency and equity implications of market interference, including government policy.
3. To provide in depth knowledge of socio-economic aspects.
4. To familiarize with current and recent developments in Economics .
5. To enrich knowledge through problem solving, hands-on activities projects.
6. To provide a broad and comprehensive knowledge in micro and macro Economics, Public Economics, Indian Economy and Agricultural Economics.
7. To develop analytical abilities towards real world problems .
8. Developing research knowledge in economics.

### **Programme Special Outcomes Geography**

1. After completion of program, students will be able to have in-depth knowledge of basic concepts in Geomorphology.
2. Students will be able to get acquainted with latest concepts in Geomorphology.
3. Students will get Acquaint with utility and applicaton of geomorphology in different regions and environment.
4. Students will be aware of the need of protection and conservation of different land forms.

### **Programme Special Outcomes History**

1. Students were able to explain and critique the historical schools of thought that have Shaped.
2. Scholarly understand of their fields of study.
3. Students were able to demonstrate broad knowledge of historical events and periods and their significance.
4. Reviewing the state of the field to identify a new topic and locate their work within larger scholarly conversations.

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5. Many students got great success in teaching and public sector fields.

### **Programme Special Outcomes Political Science**

1. It focuses in detail on the political processes and the actual functioning of the political system.
2. It simultaneously studies in detail the political structure both Constitutional & administrative.
3. It emphasizes on local influences that derive from social stratification of castes and Jatis, from language, religion, ethic and economic determinants and critically assesses its impact on the political processes.
4. The purpose of this course is to explain the non -institutional political processes and there by to sensitize the students on informal processes of politics.
5. To provide a deeper understanding of the concepts and approaches related to political sociology.
6. To explain the social context of politics to the students.

### **Programme Special Outcomes Sociology**

1. To get an idea regarding development of the subject.
2. A good academic background to be able to seek admission for masters degree in geography.
3. Capability of applying the knowledge in solving the real world problems.
4. Skill in cartography for data representation.
5. To know the origin of the earth, universe and solar system etc.
6. To know the demographic data.
7. To know the different settlement pattern, types, characteristics etc.
8. To know the different GIS Software, computer knowledge etc.
9. To briefly analyze bivariate and categorical data.
10. Ability to follow new stream of thoughts and theories of social thinkers.

### **Program Specific Outcomes of Public Admin**

1. It helps students to understand the basic concepts of Public Administration can observe it as a responsible citizen.
2. It is one of the major branches of administration in a whole which acquired all spheres of human life from birth to death.
3. It introduces systematic implementation of laws and policies, theories, principles and controlling system.
4. It makes students aware of the fundamental rights and duties of Indian citizens bestowed by the Indian constitution as well as introduces Indian Parliament, its administration, President, Prime Minister. Council of Ministers, and Supreme Court.
5. Students will be able to find out the multidimensionality of problems and processes

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of Indian Administration and can work for reforms in it. It is also useful to develop leadership skill in students.

6. Providing a high quality education for a diverse body of public and nonprofit practitioners and pre-service students in the theories that inform the field of public administration. Supporting the practice of public administration and its ability to serve the public interest, with emphasis on the local, state and regional level.

### **Course Outcomes: Public Administration**

#### **B.A. F.Y. Public Administration**

##### **Course: Basic Principles of Public Administration Paper No. 1**

After successfully completing this course, the student will be able to:

CO1) The Course introduces and provides knowledge of Public Administration CO2)

To provide knowledge of the new trends in public administration

CO3) To understand the relations of public administration with other humanities would be more appropriate for solving a dynamics problem

##### **Course: District Administration Paper No.- II**

After successfully completing this course, the student will be able to:

CO1. To know District Administration.

CO2. To understand Structure and function of various Administrative offices of District Administration.

CO3. To provide knowledge of the Revenue Administration, Police administration and Judiciary system at district and taluka level.

##### **Course: Administrative Organization and Its Principles Paper No.-III**

After successfully completing this course, the student will be able to:

CO 1) Basic knowledge of administrative Organization and its principles.

CO 2) To provide knowledge of the Functions and qualities of chief executive

CO 3) To understand the importance of public relations in administration.

##### **Course: Administrative System of Maharashtra State Paper No.-IV**

After successfully completing this course, the student will be able to:

CO1) TO Understand the Role of Chief Minister and State Secretariat in Maharashtra state.

CO2) To understand Structure and function of State Legislature

CO3) To provide knowledge of the state government and Administration, understand the concepts of static and dynamical electrical magnetic fields.

#### **B.A.S.Y. PUBLIC ADMINISTRATION.**

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### **Course: Personnel Administration Paper-V**

After successfully completing this course, the student will be able to:

- CO1. To familiarize the students with basic process of Civil Service Recruitment in Indian Personnel Administration
- CO2. To understand how to Train Civil Servants for their Better Role in Indian Governance Administration.
- CO3. To know the Systematic process in Personnel Administration (Recruitment to Retirement one Personnel). Demonstrate an ability to collect data through observation.

### **Course: State Government and Administration Paper -VI**

After successfully completing this course, the student will be able to:

- Col. The Course introduces and provides knowledge of State Government and Administration.
- CO2. To understand process of State Judiciary. CO3. To know perceive Constitutional and Statutory Agencies.

### **Course: Office Administration Paper -VII**

After successfully completing this course, the student will be able to:

- CO1. To understand the meaning of Office Administration
- CO2. To introduce the Office Procedure and Method.
- CO3. To identify various problems in Office Administration.

### **Course: District Administration Paper -VIII**

After successful completion of the course the student will be able to:

- CO1. To know what is District Administration means.
- CO2. To understand Structure and function of various departments of District Administration
- CO3. To provide knowledge of the revenue system, Judiciary system and Police administration at district level.

### **B.A.T.Y. Public Administration**

#### **Course: Administrative Thinkers Paper-IX**

After successful completion of the course the student will be able to:

- CO1 Basic knowledge of various administrative Theories.
- CO2) The approaches of study of public administration.
- CO3) The relevance of thoughts in organizations.

#### **Course: Rural Local Government in Maharashtra Paper-X**

After successful completion of the course the student will be able to:

- CO1) To Understand the Three tire system of panchayati Raj in Maharashtra state.

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CO2) Understand to how to help to Zilla Parishad, panchayat samiti and Gram Panchayat improve their overall well being.

CO3) To develop awareness of the basic Governing system to students.

### **Course: Administrative Thoughts Paper XI**

After successful completion of the course the student will be able to:

CO1) To provide basic Knowledge of various modern administrative. theories

CO2) To Understand the Views of Human Relation theory.

CO3) To Familiarize the students with basic Knowledge of modern administrative thoughts.

### **Course: Urban Local Government in Maharashtra Paper-XII**

After successful completion of the course the student will be able to:

CO1) To Understand the Role of Urban Local Government in Development of Nation.

CO2) Develop a Local Leadership in urban area.

CO3) To Understand the Role of urban local Institutions in urban development.

CO4) To develop of the basic Governing system to students. functions and eigen values.

### **Department of Economics Course Outcomes**

<b>Class</b>	<b>Paper Title and No.</b>	<b>Course Outcomes After completion of the course the students will be able .....</b>
BAFY Semester I & II	Micro Economics – I & III	1. To understand basic definitions and concepts of Economics.
2. To study the nature and scope of Economics		
3. To study the demand and supply analysis.		
4. To make the comparative analysis of cardinal and ordinal utility approach		
5. To tackle the current economic problems		
BAFY Semester I & II	Statistical Methods – II & IV	1. Prepare themselves to understand the statistical methods.
2. Study technical papers like Quantitative Technique, Mathematical Economics		

## Criterion 2- TEACHING-LEARNING AND EVALUATION

and Econometrics		
3. Understanding of the basic concepts of data interpretation with the help of Statistics will be generated.		
4. Students will be able to understand basic statistical tools of data analysis.		
5. This course is useful for the students to get job where the data analysis is comprehensively used.		
BASY Semester III & IV	Macro Economics – V & VII	1. To prepare the students to understand the basic introductory principles of macroeconomic theory.
2. To help students to understand the basic analytic framework and models of macroeconomics in a gradual manner.		
3. To equip students to analyse the real world economic issues in a rational manner.		
4. To understand and comment upon real economic issues like inflation, money supply, GDP and their inter linkages		
5. To understand national macro economic framework		

BASY Semester III & IV	Quantitative Techniques – VI & VIII	1. To apply quantitative skill to real economic problems.
2. To study the rank correlation coefficient and apply practically.		
3. To study the various techniques in statistics.		
4. To study the mathematical techniques in the competitive exams.		
5. To study for the increase of the numerical efficiency among the student.		
BATY Semester V & VI	Quantitative Techniques	1. To apply quantitative skill to real economic



## Criterion 2- TEACHING-LEARNING AND EVALUATION

	–(DSE- I & II) IX & XI	problems.
2. To study the rank correlation coefficient and apply practically.		
3. To use quantitative techniques in research		
4. To appear various competitive exams related to statistics		
5. Understand and analyse the data published by various sources.		
<b>BATY Semester V &amp; VI</b>	Indian Economy (GE I & II) X & XII	1. To expand their knowledge about Indian Economy.
2. To know more about opportunities offered by Indian Economy.		
3. To know more about challenges of Indian Economy.		
4. To assess economic policies of Indian economy.		
5. To suggest various measures to policy makers for solution of economic problems.		

### COURSE OUTCOMES

#### B. A. First Year Optional English

##### Name of the course: Paper 1: Understanding Prose Fiction

**Intended Course Outcomes** 1) Learners will be able to appreciate the texts in English

Prose Fiction genre. 2) Through responding to different texts of Prose Fiction, the learners

will acquaint themselves with the wide range of expressions in the English language.

3)

Learners will carry out the tasks of interpretation of novels and short stories by

## **Criterion 2- TEACHING-LEARNING AND EVALUATION**

studying  
the critical analyses of the prescribed texts.

**Name of the course: Paper 2- : Understanding Poetry in English.**

**Intended Course Outcomes:**

- 1) Learners will be able to appreciate English Poetry with an understanding of diverse poetic forms and themes.
- 2) Through responding to different Poetic texts, the learners will acquaint themselves with the various nuances of poetic expressions in the English language.
- 3) Learners will carry out the tasks of interpretation of poems by studying the critical analyses of the prescribed texts.

**Name of the course: Paper 3- : Understanding Non-Fictional Prose in English**

**Intended Course Outcomes:**

- 1) Learners will be able to appreciate English Non-fictional prose with an understanding of various prose writings as developed through ages.
- 2) Through responding to different Prose writings learners will be enriched in the use of prose for diverse thematic expressions.
- 3) Learners will attain a certain degree of proficiency in the interpretation of English prose.

**Name of the course: Paper 4- : Understanding Drama in English**

**Intended Course Outcomes:**

- 1) Learners will be able to appreciate English Drama with an understanding of various dramatic texts.
- 2) Through responding to different plays learners will be introduced to various types of dramatic experiences.
- 3) Learners will be able to critically analyse texts from different dramatic genres.

**B. A. First Year Compulsory English**

**Name of the course: (Ability Enhancement Compulsory Course): English Communication B.A./B.Sc./B.Com.**

**Intended Course Outcomes:**

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- 1) Through responding to and composing a wide range of texts, the learners will begin to use the English language in the best possible manner.
- 2) Through the close study of texts, students will develop knowledge, understanding and skills in order to communicate effectively in English.
- 3) Learners will value and appreciate the importance of the English language as a key to learning.
- 4) Learners will gain the personal enrichment from study of literary pieces in English.
- 5) Learners will acquire ability to communicate through oral and written texts.

### **B.A. II YEAR OPTIONAL ENGLISH**

#### **Semester III Paper No. V Title: Study of Poetry- Sonnets & Elegy**

##### **Intended Course Outcomes:**

- 1) the students will acquaint the students with the literary genre of „poetry,“ particularly sonnet & Elegy,
- 2) the students are introduced the meaning, types, features and functions of “sonnet Elegy.”
- 3) the students are encouraged to read, understand, and appreciate sonnet, elegy
- 4) The students are introduced with the worldfamous sonnets and elegy.
- 5) The students are inculcated the habit of reading Sonnet & Elegy.

#### **Semester III Paper No. VI Title: Study of Prose- Essays**

##### **Intended Course Outcomes:**

- 1) the students are acquainted with the literary genre of „prose,“ particularly Essays. 2) The students are introduced with the meaning, types, features and functions of “Prose - Essays”
- 3) The students are encouraged to read, understand, and appreciate Essays.
- 4) The students are inculcated the habit of reading Essays.

#### **Semester IV Paper No. VII**

##### **Title: Study of Poetry- Odes and Ballads.**

##### **Intended Course Outcomes:**

## **Criterion 2- TEACHING-LEARNING AND EVALUATION**

- 1) The students are acquainted with the literary genre of „poetry,“ particularly Odes and Ballads.
- 2) They are introduced with the meaning, types, features and functions of “Odes and Ballads”
- 3) They are encouraged to read, understand, and appreciate Odes and Ballads.
- 4) They are introduced with the world-famous Odes and Ballads.
- 5) They are inculcated in the habit of reading Odes and Ballads.

### **Semester IV Paper No. VIII Title: Study of Prose- Autobiography**

#### **Intended Course Outcomes:**

- 1) They are acquainted with the literary genre of „prose,“ particularly Autobiography.
- 2) They are introduced with the meaning, types, features and functions of “Autobiography.”
- 3) They are encouraged to read, understand, and appreciate Autobiography.
- 4) They are inculcated in the habit of reading Autobiography.

### **B.A. II YEAR COMPULSORY ENGLISH**

#### **Compulsory English - Second Year (Ability Enhancement Compulsory Course**

##### **Intended Course Outcomes:**

- 1) The students are introduced with short stories, essays on a variety of important topics,
- 2) They are encouraged to understand and appreciate prose writings of well-known writers,
- 3) They are acquainted with „ prose“, its meaning and importance,
- 4) They are made to learn grammar items, such as Idioms, Phrases, and reported speech etc.
- 5) They are enabled to write grammatically accurate sentences, by identifying correct reported speech in writing English.

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6) They are prepared for competitive exams by encouraging them to learn English.

### **Compulsory English - Second Year (Ability Enhancement Compulsory Course)**

#### **Intended Course Outcomes:**

- 1) The students are encouraged to understand and appreciate short lyrical poems,
- 2) They are motivated to enjoy the inherent rhythmic beauty of lyrical poetry,
- 3) They are acquainted with famous world poets such as Wordsworth, Blake, Keats, Byron, Browning, Lanston Hughes, Tagore etc,
- 4) They are prepared for competitive exams by encouraging them to learn English, 5) They are developed in communicative competence by encouraging them to learn to listen, speak, read and write properly,
- 6) They are developed in the language skills of listening, speaking, reading and writing in the students so that they could use the English language in day to day, practical situations,
- 7) They are made to understand the importance of non-verbal communication, i.e. body language so as to make communicative situations more meaningful, positive and effective.

### **Skill Enhancement Course (SEC) - Second Year Skills for Employability-I Semester III & Skills for Employability-II Semester IV.**

#### **Intended Course Outcomes:**

- 1) Developing a course that meets requirements of the 21st century learners
- 2) Building Vocabulary comprising Spelling and Pronunciation in English
- 3) Developing dialogues for Conversation Skills
- 4) Developing activities for written communication
- 5) Developing strategies for professional skills and Soft Skills.

### **B.A. III YEAR OPTIONAL ENGLISH**

#### **DSE I - Semester V Title of the course: Literary Theory and Criticism (A)**

#### **Introduction to Literary Criticism Course/Paper code: DSE-ENG- I Marks 75**

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**(ESE 40 + CA 35) Credits -3**

**Course Outcomes:**

- 1) The knowledge about classical masters of criticism is disseminated
- 2) Critical ability to read texts in the light of past theories is introduced.

**GE I –Semester V Title of the course: Modern English Structure (A)**

**Introduction to English Speech Sounds Course/Paper code: GE-ENG- I Marks 75**

**(ESE 40 + CA 35) Credits -3.**

Course Outcomes

- 1) The practical aspects of the English language are demonstrated
- 2) Ability to comprehend and reproduce Standard English is introduced.

Course Outcomes 1) The practical aspects of the English language are demonstrated  
2)

Ability to comprehend and reproduce Standard English is introduced.

**Semester VI**

**Title of the course: Literary Theory and Criticism (B) Introduction to Literary Theory Course/Paper code: DSE-ENG Marks 75 (ESE 40 + CA 35) Credits -3**

Course outcomes: 1) The knowledge about contemporary theories of criticism is disseminated 2) Critical ability to carry out practical criticism is introduced.

**VI Title of the course: Modern English Structure (A) Introduction to English Grammar Course/Paper code: GE-ENG- II Marks 75 (ESE 40 + CA 35) Credits - 3**

**Course 1) The course induces an understanding of the mechanism of the English Language 2) The notion of grammatical correctness in practical usage is highlighted**

Course outcomes: 1) Learners are enabled to understand the logics and practices in the field of English grammar 2) The foundational structure of English grammar is explained

3) Learners would be able to use the language with grammatical correctness

**Skill Enhancement Course (SEC) - Third Year Title of the course: Life Skills – I Semester V Course/Paper code: SEC-ENG- III Credits: 02 (Marks: 50) Periods: 45**

**(ESE – 25 Marks) (CA- 25 Marks)**

Course outcomes: 1) Developing personal and social skills in the learners 2) Creating gender awareness 3) Developing skills for individual and group activities

**Skill Enhancement Course (SEC) - Third Year Title of the course: Life Skills -II**

## Criterion 2- TEACHING-LEARNING AND EVALUATION

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**Semester VI Course/Paper code: SEC-ENG- IV Credits: 02(Marks: 50) Periods: 45**

**(ESE – 25 Marks and CA- 25 Marks)**

Course outcomes: 1) the students will learn Digital Literacy 2) they will understand the Importance of Digital Literacy 3) they will be able for Interview, Seminar, and Topic Presentation. 4) they will understand Online Transactions and Search Skills, I C T tools:

a) Massive Open Online Courses (MOOC) and their utility b) Generic tools c) P2P Networking and its uses d) Cyber security and Network Safety

### **Department of Geography**

#### **Course Outcome -UG**

Class: **BAFY/ Sem.-I**

Paper I: **An Introduction to Physical Geography Course Outcome** After the successful completion of this course the students will be able to:

1. Know basic concepts of physical geography
2. Know the development of various branches physical geography
3. Familiar with the formation and nature of solar system
4. Know the formation of continents and Oceans
5. Acquire the idea of rotation and revolution of the earth and its impact

Class:

**BAFY/ Sem.-I Paper II: An Introduction to Human Geography Course Outcome**

After the successful completion of this course the students will be able to:

1. Know basic concepts of Human Geography and its various branches
2. Know evolution of human race and its classification
3. Know the different races of the world and respect them for peaceful coexistence
4. Know the skills human adaptation to nature
5. Understand man environment relationship

Class: **BAFY/ Sem.-I Paper III: Practical Geography Course Outcome** After the successful completion of this course the students will be able to:

1. Know types of maps, scales, relief and landforms Utility

## Criterion 2- TEACHING-LEARNING AND EVALUATION

2. Develop skills to decipher landforms using contours
3. Develop skills to convert the scales
4. Develop abilities to interpret the topographic sheets
5. Know how to calculate time using longitudes

Class: **BAFY/ Sem.-II Paper IV: Geomorphology Course Outcome** After the successful completion of this course the students will be able to:

1. Know the interior of the earth and rocks
2. Know endogenic and exogenic forces and their resultant landforms
3. Know the evolutionary process of landforms
4. Develop skills to identify the landforms and their agents
5. Know the types of rocks and weathering

Class: **BAFY/ Sem.-II Paper V: Population Geography Course Outcome** After the successful completion of this course the students will be able to:

1. Know the dynamics of population geography
2. Understand the factors affecting on growth and distribution of population
3. Know the phases of transition of population growth
4. Know the structure and composition of population
5. Assess the impact of population explosion

Class: **BAFY/ Sem.-II Paper VI: Practical Geography Course Outcome**

After the successful completion of this course the students will be able to:

1. Understand types of population density
2. Develop the skills to interpret population density
3. Project, analyze and plan the population growth
4. Use representation tools to interpret the population data.

Class: **BASY/ Sem.-III Paper VII: Climatology Course Outcome**

After the successful completion of this course the students will be able to:



## **Criterion 2- TEACHING-LEARNING AND EVALUATION**

1. Know the climate and its various components and their dynamics.
2. Know the climate since the formation of the earth and changes those have occurred
3. Know climate change and its impact on the globe
4. Understand climatic regions of the world
5. Understand Global Warming, Ozone Depletion

Class: **BASY/ Sem.-III Paper VIII: Economic Geography Course Outcome** After the successful completion of this course the students will be able to:

1. Know the basic concepts of Economic Geography and its braches
2. Know the significance of study of Economic Geography
3. Know the types of agriculture and factors affecting on them
4. Describe the distribution of resources and industries,
5. Assert the role of transportation and trade in the economic development

### **Class: BASY/ Sem.-III Paper XI: Practical Geography Course Outcome**

After the successful completion of this course the students will be able to:

1. Understand different types of climatic data
2. Develop the skills of presentation and interpretation climatic data
3. Analyze climatic variations through the study of Indian Daily Weather Reports
4. Acquaint with Weather Instrument and their uses
5. Develop the skill of presenting meteorological data with the help of graphs and figures

### **Class: BASY/ Sem.-III Paper SEC-I: Tourism Geography Course Outcome**

After the successful completion of this course the students will be able to:

1. Know the various aspects of tourism and tourists.
2. Learn the skills of arrangement and organization of tours.

## Criterion 2- TEACHING-LEARNING AND EVALUATION

3. Study the behavioural aspects of tourists in tourist places.

Class: **BASY/ Sem.-IV** Paper X: Oceanography **Course Outcome**

After the successful completion of this course the students will be able to:

1. Know the nature and significance of study of Oceanography
2. Understand the properties and dynamics of ocean water
3. Assess the importance of Ocean Currents in global temperature stability
4. Have the knowledge of ocean resources.
5. Know the types of oceanic currents and their distribution.

Class: **BASY/ Sem.-IV** Paper XI: Settlement Geography **Course Outcome**

After the successful completion of this course the students will be able to:

1. Know the fundamentals of Settlement Geography
2. Understand the process of evolution settlements
3. Assess the factors governing of rural and urban settlement
4. Describe the factors affecting on shapes and patterns of settlements
5. Know the process of Urbanization and its impact

Class: **BASY/ Sem.-IV** Paper XII: Practical Geography **Course Outcome**

After the successful completion of this course the students will be able to:

1. Acquire the skills of representation of geographical data
2. Learn data collection tabulation of geographical data
3. Develop the technique of representation and interpretation of geographical data

Class: **BASY/ Sem.-IV** Paper SEC-II: Soil Geography **Course Outcome** After the successful completion of this course the students will be able to: 1. Know formation, types, and properties of soil 2. Know the types of soils, their formation, and fertility levels 3. Have the knowledge of physical and chemical composition of soil.

Class: **BATY/ Sem.-V** Paper XIII: Development of Geographical Thought Part-I **Course Outcome** After the successful completion of this course the students will be

## **Criterion 2- TEACHING-LEARNING AND EVALUATION**

able to: 1. Know the development of geographical thoughts from ancient to modern times

2. Know the development of various branches of human and physical geography

3. Know the steps of formulation of hypothesis, theories and models

4. Know the contribution of geographers to the field of research and planning

5. Appreciate the diversity of the subject and its contribution to human and physical geography

Class: **BATY/ Sem.-V** Paper XIV: Geography of India Part-I

### **Course Outcome**

After the successful completion of this course the students will be able to:

1. Know the location and physical settings of India

2. Understand the significance of unity in the diversity

3. Acquaint the regional knowledge of India

4. Appreciate the regional diversity and to develop acclimatization skills .

5. Make judicious and optimum use of natural resources

Class: **BATY/ Sem.-V** Paper XV: Practical Geography

**Course Outcome** After the successful completion of this course the students will be able to:

1. Have the knowledge of making of Projections

2. Know the characteristics and uses of different projections

3. Know the use of statistics in geography

4. Know the basic skills of surveying

5. Know the use computer and GIS in geographical studies

### **Department Of History**

#### **B.A. First Year Optional History**

#### **Paper - I History of Ancient India (upto 647 A.D.)**

#### **Course Outcomes :**

Co1: To understand the historical advancement of Ancient India from stone age to 647

## **Criterion 2- TEACHING-LEARNING AND EVALUATION**

A.D.

CO2 :: To understand the cultural history of Indus valley civilization and Vedic age

CO3 :To develop the broad view about the religious development in Ancient

CO4: To create interest among students about Ancient periods Empire and Dynasty.

CO5: To introduce to student about the contribution of various king in Ancient India.

### **Department Of History**

#### **B.A. First Year Optional History**

##### **Paper - II History of India (648 to 1526A.D.)**

##### **Course Outcomes :**

CO1: To understand the historical events from 648 A.D. to 1526 A.D..

Co2 : To understand the Archaeological and Literary sources.

CO3 : To develop a broad view about various dynasty..

CO4: To creat an interest among the students about muslim invasions and

Dynasty. CO5: This paper is useful to understand the political History.

#### **Department Of History B.A. Second Year Optional History**

##### **Paper - HISI Chhtrapati Shivaji and his Times(1630 to 1707A.D.)**

##### **Course Outcomes :**

CO1: To understand the real history of Chhtrapati Shivaji and his Times.

CO2: To understand the benevolent nature of Chhtrapati Shivajis regime.

CO3: To focus contribution of Chhtrapati Shivaji in building an independent swarajya.

CO4: To introduce the various policies regarding agriculture, water management, Enviroment and Scientific aoroach of Chhtrapati Shivaji Maharaj.

#### **Department of History B.A. Second Year Optional History**

##### **Paper - H16-IL History of India(1526 to 1707A.D.)**

##### **Course Outcomes :**

CO1: students will understand the historical of Mughal period 1526 to 1707 A.D.

CO2: students will understand the political aggressiveness of Mughal and British in this

age. CO3 : It will develop the broad view about the religious development of Mughal and

British in india.

CO4: To create interest among students about Mughal Empire and British rule.

CO5: It will introduce the students about the contributions of Mighal Badshah and British governors.

#### **Department of History B.A. Third Year Optional History**

##### **Paper - HIS-L History of Modern India(1857 to 1947A.D.)**

## Criterion 2- TEACHING-LEARNING AND EVALUATION

### Course Outcomes :

CO1 : To introduce India freedom struggle Movements in broad manner.

CO2: To instill the spirit of nationalism among students. CO3: Make the students responsible citizen of the nation.

CO4: To inculcate moral qualities like Devotion Unity, Fraternity, Brotherhood in students.

CO5: To make the students aware of criticizing.

### Department Of History B.A. Third Year Optional History

#### Paper - HIS-I Social Reformers in Modern Maharashtra

### Course Outcomes :

CO1: To acquaint the students with social change process in Modern Maharashtra.

CO2 : To introduce the educational development in Modern Maharashtra.

CO3: To generate curiosity to study the Modern times History Of Maharashtra.

CO4: To enhance the perception ability of the students.

CO5: To widen the broad view of the students about the society.

### Dep. Sociology

#### B.A.—Sociology

#### Programme Outcomes Summary

After successful completion of course the students will be able to :

Co 1 : Know basic concepts of Sociology.

Co 2: Know the various social Institutions and related issues and recent situations.

Co 3: Introduce various Transformative movements and related laws.

Co 4: Know Human rights and its relationship with society.

Co 5 : Know Fundamental Research Methodology and theories.

**Paper 1 : Introduction to Sociology** -After successful completion of course the students

will be able to .:

Co 1: know the basic concepts.

Co 2: Enable the students to understand the various social process in their day to day life.

Co 3: understand the society context of sociology theory and knowledge concepts.

Co 4: understand how social phenomena effects an individual life.

Co 5: understand the basic concepts in sociology and their fundamental theoretical interrelationship and demonstrate the relevance's.

**Paper 2: New changes in social institutions:** after successful completion of course the

students will be able to .:

## Criterion 2- TEACHING-LEARNING AND EVALUATION

Co 1: know the diverse in Indian Society.

Co 2: know the various social Institutions.

Co 3: know recent situations of various Institutions and related issues.

Co 4: know new concepts related to social Institution.

Co 5: Common to all society social group, organization and social Institutions.

**Paper 3: Basic concept in sociology** -After successful completion of course the students will be able to :

Co 1: know the new concepts in sociology.

Co 2: know the new prospective and approaches of Indian Society.

Co 3: Develop logical thinking

Co 4: know distinct cultural milieu and value attitude system.

Co 5: Understand the concepts and fundamental theoretical interrelationship's and Demonstrate the relevance.

**Paper 4: Contemporary Social Institutions-** After successful completion of course the students will be able to :.

Co 1: To understand the thoughts of modern social reformers of India.

Co 2: know Modern thought and perspectives.

Co 3: understand contemporary issues and challenges of country.

Co 4: Develop sociological understanding which develops and buildup capacities of the young generation of the country.

Co 5: Produce positive social change through active intervention.

**Paper 5: Transformative knowledge of social movements in India** -After successful completion of course the students will be able to :.

Co 1: Awareness create of various movement.

Co 2: Eradicate the social problem students will contribute.

Co 3: Analyze the social life.

Co 4: Create social bounding among the students.

Co 5: About various communities & development programs.

**Paper 6: Human Rights & society**-After successful completion of course the students will be able to :..

Co 1: Get Knowledge of Human Rights its importance.

Co 2: Human Right helpful for the Development of society.

Co 3: Get Knowledge of various commissions & their work.

Co 4: Get Knowledge of Government policies for the welfare of people.

Co 5: Eradicate the injustice & exploitation in the society.

**Paper 7: Western Sociological Thinkers-I-**

## Criterion 2- TEACHING-LEARNING AND EVALUATION

After successful completion of course the students will be able to :..

Co 1: Know systematic Methods or study.

Co 2: Understand Sociological theory.

Co 3: Train students for the application of these theories to social situations.

Co 4: Familiarized themselves with the different sociological perspectives and theories.

Co 5: Equip themselves with theoretical insights to know analysis and interpret the social Scenario around

### **Paper 8: Modern Sociological theories.-I-**

After successful completion of course the students will be able to :..

Po 1: Understand the major modern theories.

Po 2: Understand the modern perspectives.

Po 3: Develop Conceptual Framework for the analysis if non logical element in human action.

Po 4: Functional perspective of society.

Co 5: Know Micro sociologist contribution to Sociology.

### **Paper 9: Methods of social Research. –**

After successful completion of course the students will be able to :

Co 1: Get fundamental Research Methodology Knowledge.

Co 2: The importance of social research.

Co 3: Provide scientific thinking and rationalizing the minds.

Co 4: Conceptual objectives, tools and techniques of Research Methodology.

Co 5: Develop scientific attitude.

**Paper 10: Modern Sociological Thoughts in India-II** -After successful completion of course the students will be able to :

Co 1: Helpful themselves to introduce with modern Indian Social Thinkers to understand their thoughts and built their own ideas.

Co 2: Percolate and the philosophy and Principles.

Co 3: Develop the principles to disseminate the constitutional literacy at grass roots level of society.

Co 4: Get idea for solving the society problems.

Co 5: Develop the ideology of the social references.

### **Paper 11: Fundamental Indian Sociological Thinkers-II-**

After successful completion of course the students will be able to :

Co 1: Know Contribution of Indian Sociologist to Sociology.

Co 2: Know various perspectives of Indian Society.

Co 3: Know various study method of Indian Society.

Co 4: Get Knowledge if New Concepts by Indian Sociologist.

Co 5: Improve logical and thinking skill.

**Paper 12: Techniques of Social Research-II**-After successful completion of course the students will be able to :

## Criterion 2- TEACHING-LEARNING AND EVALUATION

- Co 1: provide an understanding of the nature of social phenomena's  
 Co 2: Understand the studies of social reality.  
 Co 3: Get base for scientific attitude  
 Co 4: Get job in various research field like research institution, corporate sector etc.  
 Co 5: Get the various tools and technical data collection.

### Department of Hindi

Course	Outcomes
स्नातक प्रथम वर्ष हषोदी (बी.ए., बी. कॉ म., बी. ए. शशी. ए. ए. अन्य स्नातक प्रथम वर्ष के ल. ए.) शाहषत्यभार ती S.L	<b>महत्व:</b> शाहषत्य जीळन का नथदळषक षै। ळष मनषु य के जीळन में शकारात्मक और रचनात्मक नररळतषन राने की समता रखता षै। इश दृष्ि शे शामान्य हषोदी का अध्ययन कर वळवळध शोकायों में नढ रषे छात्रों में हषोदी भावा एळो शाहषत्य के प्रतत रूचच उल्लन्न षोतीषै । उन्षें व्यवषाररक हषोदी का हान प्राप्त षोता षै। इतना षी नषी तो हषोदी कषातनयाँ और कवळताएँ उनके मन मष्तषक को नररषक ृ त करने में शाह्यता करती षै । ळे नहित रचनाओं के माध्यम शे वळवळध शमस्याओं शे नररचचत षो जाते षै। और उन शमस्याओं के शमाधान के ल. ए. प्रयाशरत. रषतेषै।
स्नातक प्रथम वर्ष हषोदी ऐषुछक कथा शाहषत्य-I	मषल्ल: मनषु के जीळन में कथाओं की नरररर का मषल्लनणू ष स्थान रषाषै। आज हषोदी कथा शाहषत्य में कषानी और उनन्याशवळधामनषु यकी बौषुदक तथा मानलशक समता को नररषकृ तकर उ न्षें शमाज एळोरा प्रहषतकी ओर प्ररे रतकरने में मषल्लनणू भष लू मकातनभारषीषै। यळुळक्तीकोरा प्रवळकाशके ल. ए. मषल्लनणू मष ानाजाताषै। अल्लकषानी और उनन्याशके अध्ययन शे एक ओर छात्रोंको रचनाकारोंकी रेखनळैरीका हान षोताषै तो दशू री ओर कथाशाहषत्यमें ळर्णतष वळवळध शमस्याओंकी जानकारी लमरती



## Criterion 2- TEACHING-LEARNING AND EVALUATION

### DEPARTMENT OF MARATHI

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#### Course Outcomes Political Science

##### B.A First Year

##### Semester - I Introduction of Political Concepts P-1

Students will explain the evolution and usage of these concepts, ideas and theories with reference to individual thinkers both historically and analytically. The different ideological standpoints with regard to various concepts and theories are to be critically explained with the purpose of highlighting the difference in their perspectives and in order to understand their continuity and change. Student will understand the basic Political concepts by standing the course. Students will be able to solve the Political problems by standing this course. Students will acquire the judgment power by standing the various Political ideas, concepts and other Political issues concern with Politics

##### B.A First Year

##### Semester - I Government and Politics of Maharashtra P-11

On completion of the course, the student shall be able to the patterns of state politics especially in the light of politics of Maharashtra. It not only deals with evolution or formation of Maharashtra state but focus on the changing nature of political culture there of, and the role of different regional parties in shaping states political system. Followed by structure and function of state government, state legislature, and local selfgovernment, followed by Electoral process which is responsible for stability or instability

of Maharashtra political system. Students will understand the formation, Government and other Political issues concern with Maharashtra Government. Student will be to solve the Political problems by studying this course. Pupils will acquire to understand various Political issues, Political process and Political activity. Students get various political ideas concern with state Government and other relevant Political issues.

##### B.A First Year

##### Semester - II Introduction of Political Concepts P- III

Students will explain the evolution and usage of these concepts, ideas and theories with reference to individual thinkers both historically and analytically.

The different ideological standpoints with regard to various concepts and theories are to be critically explained with the purpose of highlighting the difference in their perspectives and in order to understand their continuity and change. Student will understand the basic Political concepts by standing the course. Students will be able to solve the Political problems by standing this course. Students will acquire the judgment power by standing the various Political ideas, concepts and other Political issues concern with Politics.

## **Criterion 2- TEACHING-LEARNING AND EVALUATION**

### **B.A Second Year Semester III**

#### **INDIAN CONSTITUTION – Paper- V**

The course traces the embodiment some of these conflicts in constitutional provisions and shows how thus have played out in Political practices. In further. encourages a study of state institution in their mutual interaction with the larger extra constitutional environment. Students will acquire knowledge of the basic structure, processes & trends of Interational Politics. To understand the conceptual framework needed to systematic analysis of World Politics, understand and be capable of evaluating the validity of constructivist approach.

### **B.A Second Year Semester – III**

#### **INTERNATIONAL RELATIONS - Paper VI**

To understand theories & concepts of International Relations, International Organization and non government organizations, Role of UN, International Law and contemporary critical issues in World politics, study of International Relations and develop the ability to think critically above current issues and the future of the world order., political participation.Democracies with special reference to India.

### **B.A Second Year Semester III**

#### **SEC-1 - Election**

Students will be able to debates, principles & practices of Election Management. Election,electoral, voting behavior public opinion of the context of It will familiarize the students with how to conceptualize & measures of election management using quantitative methods, with particular attending management being paid to development basic skills pertaining to the collection, analyze and utilization of data.

### **B.A Second Year Semester IV**

#### **INDIAN GOVERNMENT AND POLITICS - Paper VII**

On completion of the course, the student shall be able to know the patterns of state politics especially in the light of politics of India. It deals with evolution or formation of India focus on the changing nature of political culture thereof, and the role of different regional parties in shaping states political system.

### **B.A Second Year Semester IV**

#### **INTERNATIONAL ORGANISATION & ISSUES - Paper VIII**

Students will acquire knowledge of International Organization and non- government organizations, Role of UN, International Law and contemporary critical issues in World politics, study of International Relations and develop the ability to think critically above current issues and the future of the world order.

This course will give introduction to the students of political journalism aims to provide voters with the information to formulate their own opinion and participate in community, local to global matter that will affect then.

#### **Political SEC II - B.A Second Year Semester**

Political journalism is provided through different mediums in print, broadcast, onlineJournalism reporting, instant coverage of campaign, politics, event news, government status, election updates etc.

### **B.A Third Year Semester - V**

## Criterion 2- TEACHING-LEARNING AND EVALUATION

### INDIAN POLITICAL THOUGHT Paper IX

Students will be able to deal with the main sources of the political traditions in modern India and focus on the development of social institutions and as well as various patterns of politics that emerged in modern India.

This course will encourage students to understand and decipher the diverse and often contesting ways in which the ideas of nationalism, democracy and social transformation were discussed in Pre- and Post independence India.

**Paper 8: Modern Sociological theories.-I**-After successful completion of course the students will be able to :..

Po 1: Understand the major modern theories.

Po 2: Understand the modern perspectives.

Po 3: Develop Conceptual Framework for the analysis of non logical elements in human action.

Po 4: Functional perspective of society.

Co 5: Know Micro sociologist contribution to Sociology.

**Paper 9: Methods of social Research.** -After successful completion of course the students will be able to :

Co 1: Get fundamental Research Methodology Knowledge.

Co 2: The importance of social research.

Co 3: Provide scientific thinking and rationalizing the minds.

Co 4: Conceptual objectives, tools and techniques of Research Methodology.

Co 5: Develop scientific attitude.

**Paper 10: Modern Sociological Thoughts in India-II** -After successful completion of

course the students will be able to :

Co 1: Help themselves to introduce with modern Indian Social Thinkers to understand

their thoughts and build their own ideas.

Co 2: Percolate and the philosophy and Principles.

Co 3: Develop the principles to disseminate the constitutional literacy at grass roots level

of society.

Co 4: Get idea for solving the society problems.

Co 5: Develop the ideology of the social references.

**Paper 11: Fundamental Indian Sociological Thinkers-II**-After successful completion

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Co 1: Know Contribution of Indian Sociologist to Sociology.

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Co 3: Know various study method of Indian Society.

Co 4: Get Knowledge of New Concepts by Indian Sociologist.

Co 5: Improve logical and thinking skill.

## Criterion 2- TEACHING-LEARNING AND EVALUATION

**Paper 12: Techniques of Social Research-II**-After successful completion of course the

students will be able to :

Co 1: provide an understanding of the nature of social phenomena's

Co 2: Understand the studies of social reality.

Co 3: Get base for scientific attitude

Co 4: Get job in various research field like research institution, corporate sector etc.

Co 5: Get the various tools and technical data collection.

### Programme Specific Outcomes (PSOs) of B.Sc. Zoology

Sr. No.	PSO No.	Programme Specific Outcomes (PSOs) of B.Sc. Zoology
1	PSO1	To make aware of natural resources and environment and the importance conserving the same.
2	PSO2	To develop ability for the application of the acquired knowledge in the fields of life so as to make our country self reliant and self sufficient.
3	PSO3	To appreciate and apply ethical principles to animal sciences research the studies.
4	PSO4	To develop skill in practical work, experiments, equipments and laboratory use along with collection and interpretation of animal materials and data.
5	PSO5	To expose themselves to the animal diversity amongst life forms.
6	PSO6	To develop an ability to work on their own and to make them fit for the society.
7	PSO7	To develop an scientific attitude to make students open minded, critical and curies.
8	PSO8	To impart knowledge of zoology (animal sciences) as the basic objective of education.
9	PSO9	To update the curriculum by introducing recent advances in the subject and enable the students to face NET,SET,UPSC and other competitive examination successfully.
10	PSO10	To provide an updated education to the students at large in order to know the importance and scope of discipline a

### Programme Specific Outcomes (PSOs) of B.Sc. Mathematics

## Criterion 2- TEACHING-LEARNING AND EVALUATION

S r . N o .	PSO No.	Programme Specific Outcomes (PSOs) of B.Sc. Mathematics
1	PSO1	Built up confidence by developing a feel for numbers, patterns and relationships.
2	PSO2	Provide with the opportunity to acquire mathematics to reach it to at least key stage UG level
3	PSO3	Enable us to start the postgraduate basic training of mathematics as it is a requirement of the training of Basic application of Mathematics
4	PSO4	Improve students chances of employment
5	PSO5	Solve the problems independently & interpret the results.
6	PSO6	Communicate and apply mathematical concepts to solve real life problems
7	PSO7	Understand and apply mathematical principles and their applications
8	PSO8	Develop the abilities to reason logically, to classify, to generalize and to prove
9	PSO9	Acquire a foundation appropriate to their further study of Mathematics and of other disciplines

### Programme Specific Outcomes (PSOs) of B.Sc. Botany.

Sr. N o.	PSO No.	Programme Specific Outcomes (PSOs) of B.Sc. Botany
1	PSO1	The program will provide an updated education to the students at large in order to know the importance and scope of the discipline.
2	PSO2	It will provide mobility to students to other university or state.
3	PSO3	It will enable the students to face NET, SET, UPSC and other competitive examinations successfully.
4	PSO4	The students will get knowledge of plant science as the basic objective of education.
5	PSO5	It will develop a scientific attitude to make students open minded, critical and curious.
6	PSO6	The students will develop an ability to work on their

## Criterion 2- TEACHING-LEARNING AND EVALUATION

		own and to make them fit for the society.
7	PSO7	The students will expose themselves to the diversity amongst life forms.
8	PSO8	There will be development of skill among students in practical work, experiments, equipments and laboratory use along with collection and interpretation of plant materials and data.
9	PSO9	The students will get awareness about natural resources and environment and the importance of conserving the same.
10	PSO10	The students will be able to apply the acquired knowledge in the fields of life so as to make our country self-reliant and self sufficient.

### Program Specific Outcomes (PSOs) Of B.Sc. Computer Science

Sr. No.	PSO No.	Program Specific Outcomes (PSOs) Of B.Sc. Computer Science
1	PSO1	Program focuses on giving knowledge of computer from basics to different programming languages like C, C++, JAVA,VB.NET etc.
2	PSO2	It will provide the knowledge of Database, Different types of Database Software, its application & implementation in real life software's.
3	PSO3	It will enable the student for developing websites using different scripting languages.
4	PSO4	It will enable the student for developing application /software's using different programming languages.
5	PSO5	Program focuses on giving knowledge of Computer Skill Like java script, Linux and shell programming, R Lang, XML programming, SQL server, MySQL etc. so that students have hands on practice on such subjects.
6	PSO6	The students will get awareness about the new subjects like Android, Python, JSP Servlet etc. which are used in MNC
7	PSO7	Due to some courses like Digital Image Processing student will take initiative in research Field
8	PSO8	Program also focuses on giving knowledge of Basic Networking, Mobile computing so that student will select the Computer Networking field as a Career
9	PSO9	students will able to take up self-employment in Indian & global software market.
10	PSO10	Program also focuses on to Meet the requirements of the Industrial standards.

## Criterion 2- TEACHING-LEARNING AND EVALUATION

### Program Specific Outcomes (PSOs) Of Physics

Sr. No.	PSO No.	Program Specific Outcomes (PSOs) Of Physics
1	PSO1	The program will provide an updated education to the students at large in order to know the importance and scope of the discipline.
2	PSO2	The Program will provide the need of the students to understand the basics of Physics
3	PSO3	The Students will learn about the basic principles in the development of modern physics. The topics covered in the
4	PSO4	It will provide mobility to students to other university or state for Higher Education.
5	PSO5	It will enable the students to face MPSC, UPSC and other competitive examinations successfully.
6	PSO6	The accumulation of facts of nature and the ability to link the facts to observe and discover the laws of nature i.e. develop an understanding and knowledge of the basic Physics.
7	PSO7	The ability to use this knowledge to analyze new situations and learn skills and tools like mathematics, engineering and technology to find the solution, interpret the results and make predictions for the future developments.
8	PSO8	The ability to synthesize the acquired knowledge, understanding and experience for a better and improved comprehension of the physical problems in nature and to create new skills and tools for their possible solutions.
9	PSO9	It will develop scientific attitude to make students open minded, critical and curious to understand basic concepts.
10	PSO10	The students will get an ability to work on their own.
11	PSO11	There will be development of skill in practical work, experiments, equipments and laboratory use along with collection and interpretation of plant materials and data.
12	PSO12	The student should be Capable of self-paced and self-directed learning aimed at personal development and for improving knowledge/skill development and reskilling in all areas of Physics.
13	PSO13	The students will be able to apply the acquired knowledge in the fields of life so as to make our country self-reliant and self sufficient.

## Criterion 2- TEACHING-LEARNING AND EVALUATION

### Course Outcomes (COs) Of B.Sc. Botany

Sr No.	Section and Paper code	Name of Paper	Course Outcomes
1	I (CCB-IA)	Viruses, Bacteria, Algae, Fungi, Lichens and Mycorrhiza	<ul style="list-style-type: none"> <li>• The students will understand the morphology, structure and importance of various organisms.</li> <li>• They will be able to differentiate between various groups of viruses, bacteria, algae, fungi, lichens and mycorrhiza.</li> <li>• They will learn the life cycles of individuals belonging to viruses, bacteria, algae, fungi, lichens and mycorrhiza.</li> </ul>
2	II (CCB IB)	Plant Ecology, Phytogeography and Environmental Biology	<ul style="list-style-type: none"> <li>• The students will able to understand the ecological principles, interactions taking place in the ecosystems and the flow of energy.</li> <li>• They will acquire knowledge about <b>the concept of phytogeography and its relation with other disciplines.</b></li> </ul>
3	III (CCB IIA)	<b>Bryophytes, Pteridophytes, Gymnosperms and Paleobotany</b>	<ul style="list-style-type: none"> <li>• <b>The students will learn the life cycles of individuals belonging to bryophytes, pteridophytes and gymnosperms..</b></li> <li>• <b>They will learn about process of fossil formation and fossil plants.</b></li> </ul>
4	IV (CCB IIB)	<b>Taxonomy of Angiosperms</b>	<ul style="list-style-type: none"> <li>• <b>The students will get proficiency with the basic terminology of plant morphology. They will be able to identify the major families of plants and their economic importance.</b></li> <li>• <b>The students will understand the methods of collecting and preserving plants.</b></li> </ul>
5	V (CCBP)	<b>Practical</b>	<ul style="list-style-type: none"> <li>• <b>The students will develop skill of</b></li> </ul>



## Criterion 2- TEACHING-LEARNING AND EVALUATION

	I)	paper based on theory papers of CCB-I and II	<p>temporary preparation of plant specimens.</p> <ul style="list-style-type: none"> <li>• They will develop skill of permanent preparation of plant specimens.</li> <li>• They will understand the morphology, structure and life cycle of various organisms.</li> </ul>
6	VI (CCB IIIA)	Plant Anatomy	<ul style="list-style-type: none"> <li>• The students will be able to understand the meristem (RAM &amp; SAM), different simple and complex tissues and secondary growth in root and stem.</li> <li>• The students will acquire knowledge of</li> <li>• anatomy of root, stem and leaf in dicot and monocot plants.</li> </ul>
7	VII (CCB- IIIB)	Plant Physiology and Biochemistry	<ul style="list-style-type: none"> <li>• The students will gain the knowledge of water and nutrient uptake, movement in plants, role of mineral elements, translocation of sugars, Role of various plant growth regulators, phytochrome in plants.</li> <li>• Students shall learn different types of biomolecules and secondary metabolites.</li> </ul>
8	SECB-I(A)	Fruit and Vegetables Processing	<ul style="list-style-type: none"> <li>• The students will get knowledge about preservation methods of fruits and vegetables.</li> <li>• They will be introduced with skill of processing and preservation of different fruits and vegetables.</li> </ul>
9	VIII (CCB IVA)	Plant Embryology	<ul style="list-style-type: none"> <li>• This course will be able to demonstrate foundational knowledge in embryology of plants.</li> <li>• The students will be able to</li> </ul>

## Criterion 2- TEACHING-LEARNING AND EVALUATION

			<p>understand the development of pollen, ovule, and fertilization and palynological information.</p>
10	IX (CCB IVB)	Plant Metabolism and Biochemistry	<ul style="list-style-type: none"> <li>• The students will be able to understand the various metabolic processes such as photosynthesis, respiration, nitrogen metabolism etc. which are important for life.</li> <li>• The students shall become familiar with the gene cloning and its transfer in plants They shall learn different databases and their applications.</li> </ul>
11	X (CCBP II)	Practical paper based on theory papers-VI and VIII	<ul style="list-style-type: none"> <li>• The students will study types of tissues in plants.</li> <li>• They will be able to prepare of permanent slides of angiosperms for study of internal structures.</li> <li>• The students will learn about structure of anther, ovule and types of ovules in plants.</li> <li>• They will learn the structure of embryo and types of endosperm.</li> </ul>
12	XI (CCBP III)	Practical paper based on theory papers-VII and IX	<ul style="list-style-type: none"> <li>• The students will get knowledge about different bio-physico chemical phenomena like osmosis, plasmolysis and permeability.</li> <li>• They will learn to estimate glucose, protein and oil content from plant material.</li> </ul>
13	SECB II(A)	Nursery and Gardening	<ul style="list-style-type: none"> <li>• The students will learn gardening skills.</li> <li>• They will get knowledge about methods of vegetative propagation.</li> <li>• They will acquire knowledge of</li> </ul>

## Criterion 2- TEACHING-LEARNING AND EVALUATION

			ornamental plants and garden designs.
4	XII (DSEB- IA)	Plant Physiology	<ul style="list-style-type: none"> <li>• The students will gain the knowledge of water and nutrient uptake, movement in plants, role of mineral elements, translocation of sugars, Role of various plant growth regulators, phytochrome in plants.</li> <li>• Students shall learn different types of biomolecules and secondary metabolites.</li> <li>• Students will learn the flowering physiology, vernalization and seed dormancy in plants.</li> </ul>
15	XIII (DSEB- IB)	Plant Pathology-I	<ul style="list-style-type: none"> <li>• The students will learn the fundamentals of plant pathology.</li> <li>• They will study the factors involved in plant disease development.</li> <li>• The will get knowledge about enzymes and toxins in plant pathogens.</li> <li>• The students will acquire basic knowledge of identification of plant diseases and their control measures.</li> </ul>
16	SECB III(A)	Floriculture	<ul style="list-style-type: none"> <li>• The students will get knowledge about fundamentals of floriculture and its scope.</li> <li>• They will study propagation of flowering plants of commercial interest.</li> </ul>

## Criterion 2- TEACHING-LEARNING AND EVALUATION

17	XIV (DSEB IIA)	Plant Metabolism, Biochemistry and Biotechnology	<ul style="list-style-type: none"> <li>• <b>The students will be able to understand the various metabolic processes such as photosynthesis, respiration, nitrogen metabolism etc. which are important for life.</b></li> <li>• The students shall become familiar with the gene cloning and its transfer in plants</li> <li>• They shall learn different databases and their applications</li> </ul>
18	XV (DSEB IIB)	Plant Pathology-II	<ul style="list-style-type: none"> <li>• <b>The students will get the knowledge of aerobiology and seed pathology.</b></li> <li>• They will learn about defense mechanism in plants.</li> <li>• They will know the methods of plant disease management.</li> <li>• <b>The students will get knowledge of identification of plant diseases and their control measures.</b></li> </ul>
19	XVI (DSEBP -I)	Practical paper based on theory Papers-XII and XIV	<ul style="list-style-type: none"> <li>• <b>The students will get knowledge about different bio-physico chemical phenomena like osmosis, plasmolysis and permeability.</b></li> <li>• They will learn to estimate glucose, protein and oil content from plant material.</li> </ul>
20	XVII (DSEB- II)	Practicals based on theory Papers- XIII and XV	<ul style="list-style-type: none"> <li>• They will be able to measure the size of fungal spores.</li> <li>• The students will know the effect of environmental factors and fungicides on plant pathogens.</li> <li>• They will gain knowledge about various plant diseases with slide preparation.</li> </ul>
21	SECB	Fruits and Vegetables	<ul style="list-style-type: none"> <li>• <b>The students will get knowledge about preservation methods of fruits</b></li> </ul>

## Criterion 2- TEACHING-LEARNING AND EVALUATION

	IV(A)	Processing	<p>and vegetables.</p> <ul style="list-style-type: none"> <li>• They will be introduced with skill of processing and preservation of different fruits and vegetables.</li> </ul>
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### Course Outcomes (COs) Of B.Sc. Mathematics.

Sr. No.	Section and Paper code	Name of Paper	Course Outcomes
1	CCM-1 Section-A	Differential Calculus	<ul style="list-style-type: none"> <li>• Knowledge of differential calculus with higher order and its applications.</li> <li>• Studies of different mean value theorem and solution of indeterminate.</li> <li>• Application of partial derivatives in real world problems.</li> </ul>
2	CCM-1 Section-B	Algebra and Trigonometry	<ul style="list-style-type: none"> <li>• Description of basics properties of matrices and its applications.</li> <li>• Algebra of matrices its working Procedure for system homogeneous equations.</li> <li>• Detailed study of trigonometric functions, circular functions hyperbolic functions etc.</li> </ul>
3	CCM-2 Section-A	Integral Calculus	<ul style="list-style-type: none"> <li>• Integrations and its standard forms with reeducation formulae.</li> <li>• The study integral of transcendental functions.</li> </ul>
4	CCM-2 Section-B	Geometry	<ul style="list-style-type: none"> <li>• The enhancement in the study of co ordinates , plan Geometry.</li> <li>• Representation of line and its equations in the different forms.</li> <li>• Study of sphere and theorem related to sphere cones, cylinder etc.</li> </ul>
5	CCMP-1 Based on CCM-1 & 2	Practical on MATLAB	<ul style="list-style-type: none"> <li>• Introduction to the MATLAB softwear and its application.</li> <li>• Solution of problems of algebra using MATLAB.</li> <li>• Plotting the graphs of different function using MATLAB.</li> </ul>

## Criterion 2- TEACHING-LEARNING AND EVALUATION

6	CCM-3 Section-A	Real Analysis - I	<ul style="list-style-type: none"> <li>• Write down the operations on sets and functions for real valued functions.</li> <li>• Description of real number and its sequences.</li> <li>• Study of series of real numbers and its convergence, absolute convergence.</li> </ul>
7	CCM-3 Section-B	Group Theory	<ul style="list-style-type: none"> <li>• Introduction to group theory and examples on group</li> <li>• Describe subgroup and cyclic group &amp;</li> <li>• properties on quotient groups.</li> <li>• Study of Homomorphism image &amp; Cauchy's theorem for abelian group &amp; automorphism.</li> </ul>
8	CCM-3 Section-C	Ordinary Differential Equations	<ul style="list-style-type: none"> <li>• Study of the first order differential equation.</li> <li>• Introduction to initial value problems for homogeneous equation &amp; linearly independent &amp; dependent.</li> <li>• Application of linear equation with variable coefficient &amp; solution of the homogeneous equation.</li> </ul>
9	SECM-I	Skill	<ul style="list-style-type: none"> <li>• Introduction to mathematical software</li> <li>• Study of scilab software &amp; overview &amp; console of scilab.</li> <li>• Scilab features as programming language.</li> </ul>
10	CCM-4 Section-C	Partial Differential Equations	<ul style="list-style-type: none"> <li>• <b>Forming partial differential equation &amp; Lagrange's linear equation with examples.</b></li> <li>• <b>Introduction to Charpit's method Linear homogeneous partial differential equation with example</b></li> <li>• <b>Application of wave equation by D'Alembert's method &amp; one dimensional beat flow.</b></li> </ul>

## Criterion 2- TEACHING-LEARNING AND EVALUATION

11	CCM-4 Section-B	Ring Theory	<ul style="list-style-type: none"> <li>• Introduction to ring theory and special classes of rings.</li> <li>• Study of ideals &amp; quotient ring with examples.</li> <li>• Describing Euclidean ring &amp; polynomial over the rational field.</li> </ul>
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### Course Outcomes (COs) of B.Sc. Zoology

Sr. No.	Section and Paper code	Name of Paper	Course Outcomes
1	CCZ-I Section-A	Life & diversity animals-I (non-chordata)	Knowledge about invertebrates Study of different invertebrate phyla.
2	CCZ-I Section-B	Cell biology	To give knowledge about microscope and cell structure and functions To study about different cell organ
3	CCZ-II Section-A	Life & diversity of animals – II (chordata)	Knowledge about vertebrates Study of different vertebrate phyla
4	CCZ-II Section-B	Developmental biology	To give knowledge about development of embryo To study about the development of frog chick and stem cells .
5	CCZP-I	Practical paper (CCZ-I&II)	To provide application of the skill about identification of animals and different techniques .
7	CCZ-III Section-A	Physiology	On successful completion of the course, the students will be able to Monitor their blood pressure and identify blood groups. Understand function and types of heart & circulatory system. Appreciate the basic function of kidney, main function of nerves. Acquire knowledge on the nature and

## Criterion 2- TEACHING-LEARNING AND EVALUATION

			<p>functions of hormones and learn the mechanism of hormone action.</p> <p>Learn the structure and functions of Endocrine glands.</p> <p>Understand the structure, development and function of reproductive organs in human.</p>
8	CCZ-III Section-B	Biochemistry	<p>On successful completion of the course, the students will be able to</p> <p>Understand the chemical structure and functions of various biomolecules</p> <p>Learn the signaling of biomolecules in cell</p>

9	CCZ-IV Section-A	Cell biology, Genetics,	<p>On successful completion of the course, the students will be able to</p> <p>Understand the structure and function of the cell as the fundamentals for understanding the functioning of all living organisms.</p> <p>Understand structures and various cellular functions associated with the macromolecules found in cells.</p> <p>Acquire knowledge of Mendelian Genetics and its Extension.</p> <p>Graduates will be able to explain and interpret various processes, phenomena, states and evolutionary tendencies at a biological system level.</p>
10	CCZ-IV Section-B	Evolutionary biology and genetic engineering	<p>On successful completion of the course, the students will be able to</p> <ol style="list-style-type: none"> <li>1. Understand the theories and concepts of evolution.</li> <li>2. Learn the process of evolution in animals.</li> <li>3. Understand the patterns of evolutionary changes in animals.</li> <li>4. Understand the organization and functions of genetic material in the living world.</li> <li>5. Understand the Recombinant DNA Technology.</li> </ol>
11	CCZP-II Section-A	Practical based on theory paper VIII & IX	<p>Students would be able to prepare temporary squash preparations of onion root tips for mitosis.</p> <ol style="list-style-type: none"> <li>2. Demonstrate the genetic traits in Man.</li> <li>3. Ability to culture Drosophila flies in the laboratory.</li> <li>4. Ability for mounting of salivary glands of Drosophila larvae.</li> <li>5. Students are able to understand the outline of Genetic</li> </ol>



## Criterion 2- TEACHING-LEARNING AND EVALUATION

			Engineering. 6. Ability to Learn the role of Genetic Engineering in biology.
12	CCZP-II Section-B	Practical based on theory paper VIII& IX	To study applications in biochemistry, histology and endocrinology
13	SEC-II	SEC-II Anyone skill from skill URINOLOGY	1. Ability to describe function of human urinary system. 2. Skill to collect, preserve, process and store urine samples. 26 3. Skill to perform physical, chemical and microscopic examination of urine samples. 4. Ability to document findings of urine examination/analysis..
14	SEC-II	SEC-II Anyone skill from skill APICULTURE	Ability to understand and describe the life stages and social organization of honey bee species. 2. Ability to correctly explain and perform bee rearing, farming and harvesting practices. 3. Appreciate the economic importance of derivative benefits and byproducts of apiculture. 4. To identify and take remedial measures against the different bee diseases and predators
15	DSEZ-V Section-A	Ecology & zoogeography	To understand and appreciate the interactions of organisms with their environments and the consequences of these interactions for population, community, and ecosystem dynamics. To be aware of the current environmental issues with an understanding of the basic ecological concepts involved. To study the local and geographical distribution and abundance of organisms (habitat niche, community, bio geography). To understand the inter-relationship between individuals in population and communities (population ecology). To study the structural adaptations and

## Criterion 2- TEACHING-LEARNING AND EVALUATION

			functional adjustment of organisms to their physical environment To study the conservation and management of natural resources and pollution (applied ecology).
16	DSEZ-V	Aquaculture	To introduce student to various types of
17	DSEZ-VI Section-A	Ethology, Biometry, & Bioinformatics	<p>To study the behaviourorganism under natural conditions (Ethology).</p> <p>To understand the concepts of Biometry.</p> <p>To get acquainted with and apply the fundamentals of applied statistical methodology.</p> <p>To give students an introduction to the basic practical techniques of bioinformatics.</p> <p>To emphasize the application of bioinformatics and biological databases for problem solving in real-life &amp; research.</p> <p>To familiarize student with the use of a wide varety of internet applications, biological database and to enable them to apply these methods under various situations.</p>
18	DSEZ-VI Section-B	Pisciculture	<p>To exchange and circulate information, ideas and practical experience on all matters relating to fisheries and their management.</p> <p>To enable students with Fishery specific knowledge for entering PG courses or fishery industries.</p> <p>To establish and maintain an appropriate Branch and Specialist section structure to meet the local, specialist and overall needs of fisheries interests.</p>
19	DSEZP-I Section-A	Practical based on theory paper XII & XIV	<p>To improve the skills of students in microscopy, whole mount preparation, observations, drawings and laboratory techniques.</p> <p>To acquaint the students with operations of the different laboratory equipment.</p>

## Criterion 2- TEACHING-LEARNING AND EVALUATION

### Course Outcomes (COs) of B.Sc. Chemistry.

Sr. No.	Section & Paper code	Name of paper	Paper No.	Programme Specific Outcomes (PSOs)
1	CCC I (Section -A)	Organic + Inorganic Chemistry	<b>P-I</b>	<p>After completion of syllabus students will be able to understand following outcomes.</p> <ol style="list-style-type: none"> <li>1. Student should learn basic concept of organic chemistry, Nomenclature.</li> <li>2. Student get well acquainted with functional group in organic chemistry.</li> <li>3. To understand the basic concepts and differences aliphatic hydrocarbons.</li> <li>4. To know about term cycloalkane ,cycloalkene and diene.</li> <li>5. Learn and practice about organic compounds with their names.</li> <li>6. Students learn some exceptional electronic configuration, trends and Periodicity in the following properties like atomic size, ionization energy, electron affinity &amp; electro negativity.</li> <li>7. Understand the inert gases forms compounds, different fluoride compounds of xenon.</li> <li>8. Understand periodic properties with respect to atomic radii, ionization potential, Electron affinity and Electro negativity.</li> </ol>
2	CCC I (Section -B)	Physical + Inorganic Chemistry	<b>P-II</b>	<ol style="list-style-type: none"> <li>1. Developed Numerical Solving Skill through Mathematical Concepts.</li> <li>2. She/he knows about adsorption and absorption phenomenon and its application.</li> <li>3. Inculcate the states of matter and its properties with respective its structures.</li> <li>4. Learn about calculation of oxidation state and balancing of redox reaction. Also he got knowledge about the chemistry of S-block elements.</li> </ol>
3	CCC II (Section -A)	Organic + Inorganic Chemistry	<b>P-III</b>	<p>Outcomes: After completion of syllabus students will be able to understand following outcomes.</p> <ol style="list-style-type: none"> <li>1. Student should learn the concept of aromatic hydrocarbons, Aromaticity and antiaromaticity.</li> <li>2. Student should understand the phenols</li> </ol>

## Criterion 2- TEACHING-LEARNING AND EVALUATION

### B.Sc Physics Course outcomes

#### B.Sc First Year Physics

1. **Course Name:-** : Mechanics and Properties of Matter

**Course Number:-** CCP I - (Section A) P-I

#### **Outcomes:-**

1. The objective of this course is to introduce the students to the world of mechanics and properties of the matter that exists in different phases i.e., solid, liquid and gas.
2. Laws of motion and its applications to various systems studied in this paper is of fundamental nature and enable the students to handle different types of problems and is the pre-requisite for several other advanced courses in physics and chemistry.
3. The pre-requisite for this course is knowledge of calculus, wave theory and modern physics. This course is the core course and every student pursuing B Sc with physics as one of the optional is required to study this course.

2. **Course Name:-** : Mathematical Methods in Physics.

**Course Number:-** CCP I - (Section B) P-II.

#### **Outcomes:-**

1. This course is also aimed to develop knowledge in mathematical physics and its applications, to develop expertise in mathematical methods required in the study of Physics, to develop critical thinking and problem solving skill.
2. After completion of this course students will be able to apply the concept of vectors and complex variables to various physical quantities.
3. This course will also enable the students to solve the problems related to partial differentiation. Fourier analysis unit will enable the students to analyze the periodic functions.

3. **Course Name:-** : Heat and Thermodynamics

**Course Number:-** CCP II - (Section A) P-III:

#### **Outcomes:-**

1. This course will introduce the students to the world of heat and thermodynamics and the behaviour of the physical systems at different thermodynamically conditions.
2. After completing this course students will understand the difference in the behavior of the ideal and real gases, transport phenomenon in gases.
3. Students will also understand the working of various heat engines and the ways to increase their working efficiency.

4. **Course Name:-** : Electricity and Magnetism

**Course Number:-** CCP II - (Section B) P-IV

#### **Outcomes:-**

1. The objective of this course is to introduce the students to the concepts of static and dynamical electrical magnetic fields, the sources for generating such

## Criterion 2- TEACHING-LEARNING AND EVALUATION

fields, polarization and induction effects, understand the basic difference between the DC and AC circuits and their functioning.

2. This course is of most applied nature and will enable the students to understand the role of electricity in everyday life, relate electrical conduction, relate using Ohm's law

3. And will also enable the students to understand the working principles of various electrical components and gadgets.

4. After completion of this course students will be able to apply the concept of vectors and complex variables to various physical quantities.

### **B.Sc Second Year Physics**

1. **Course Name:-** Waves and Oscillations.

**Course Number:-** : CCP III - (Section A) P-VI

#### **Outcomes:-**

1. The objective of this course is to introduce the students to the concepts of mechanical waves, their properties, propagation and reflection properties, formation of standing waves, their applications in resonance tubes, energy distribution in the standing waves, free and forced vibrations, acoustics and acoustical designs and also introduces the students to the concepts of ultrasonic waves and their applications.

2. This course is the pre-requisite for several advanced courses in physics and chemistry and is necessary for understanding the behavior of the matter when mechanical waves pass through them.

3. Pre-requisite for this course is the knowledge of elementary mathematics and calculus, wave theory, etc. This forms the core course of the programmes and every student pursuing B Sc with physics as one of the optional is required to study this course.

2. **Course Name:-** Statistical Physics, Electromagnetism and Theory of Relativity

**Course Number:-** : CCP III - (Section B) P-VII

#### **Outcomes:-**

1. The objective of this course is to introduce the students to the concepts of macroscopic world, statistical approaches for understanding properties of the macroscopic bodies, ensembles, their classification on the basis of macroscopic and microscopic basis, their applications to photonic and electronic gases, electromagnetism, Maxwell's equations and their applications in the electromagnetic waves, energy carried by the EM waves and theory of relativity.

2. This course is the prerequisite for several advanced courses in physics, chemistry, life sciences and the modern communication systems. Pre-requisite for this course is the knowledge of elementary mathematics and calculus.

3. This forms the core course of the programmes and every student pursuing B. Sc with physics as one of the optional is required to study this course.

3. **Course Name:-** Optics and Lasers

**Course Number:-** : CCP IV - (Section A) P-VIII Core

#### **Outcomes:-**

## Criterion 2- TEACHING-LEARNING AND EVALUATION

1. This course is aimed to introduce the students to important core subject optics and its applications.
2. This course begins with the introduction to the concepts of geometrical optics, properties of optical instruments, interference and diffraction of light, polarization of light and finally introduces to the advanced source like LASERS and conditions for the lasing action.

### **B.Sc Third Year Physics**

**1. Course Name:-** Quantum Mechanics

**Course Number:-** P-XII DSEP I (Section A)

**Outcomes:-**

1. The objective of this course is to introduce the students to the world of microscopic particles such as molecules, atoms, atomic nuclei and elementary particles, study their dynamics employing wave analogy, and also to make the connections between the rules governing the microscopic particles with that of the macroscopic bodies around us.
2. This course is the pre-requisite for several advanced courses in physics and chemistry and is necessary for understanding the behavior of molecules, atoms and elementary particles.
3. The pre-requisite for this course is knowledge of calculus, wave theory and modern physics. This course is the core course and every student pursuing B. Sc. with physics as one of the optional is required to study this course.

**2. Course Name:-** A. Solid State Physics

**Course Number:-** P-XIII A - DSEP I (Section B)

**Outcomes:-**

1. This course is designed to provide fundamental knowledge of the crystallography, principles behind the formation of matter, their structure and physical properties.
2. This course also enables the students to understand the relationship between the internal structure and various properties of matter such as periodicity, structure and bonding in solids, making these solids an attractive material for the device applications.
3. At the end of this course, students will be able to classify the materials in different classes based on their physical, thermal, electrical, and magnetic properties. This is an elective course of 02 credits offered at Semester V.

## Criterion 2- TEACHING-LEARNING AND EVALUATION

### B.Com I Year (II Semester)

#### 1. Financial Accounting (Paper No. BC 2.1)

##### Course Outcomes

1. Accounting Knowledge
2. Application of Accounting in Business

#### 2. Business Statistics and Mathematics (Paper No. : BC 2.2)

##### Course Outcomes

1. Student can understand the basic concept of mathematics
2. Mathematical operational use in various business operations

#### 3. Business Economics II (Paper No. BC 2.3)

##### Course Outcomes

1. Students will be acquainted with the market structures
2. Theory of distribution is as applicable in business.

#### 4. Modern Business Communication (Paper No. BC 2.4)

##### Course Outcomes

1. Adequate Knowledge about good communication in business

#### Tally ERP 9.0 (Paper No. : BC 2.5.1) Course Outcomes

1. Adequate Knowledge about Computerize Accountancy and Tally.

### B.Com. Second Year Semester III (CBCS Patterns)

#### Paper No. BC.3.1 Corporate Accounting

##### Course Outcomes:

1. The course is beneficial to understand the provision of company act 1956 regarding the preparation of accounts.
2. It is beneficial for students to move in to advance areas i.e. C.A, I.C.W.A, CS etc
3. It could help graduates to work as financial analyst, HRM officers.
4. It provides the knowledge of differentiating the profit Prior and post Incorporation.
5. It provides the basic concept of knowledge of buyback, for features of shares.

#### Paper No. BC.3.2 Cost Accounting

##### Course Outcomes:

1. The selection of the appropriate cost accounting and their impact on the business policy.
2. The determination of cost as per element per unit of production.
3. The Identification and control of cost of production.
4. Becoming a superior Cost accountant and cost analyst.

#### Paper No. BC.3.3 Principles of Business Management

##### Course Outcomes:

1. Successfully completion of this course, students will be able to understand the Managerial functions.
2. To understand the way of implementation of the planning process within the organization.
3. It would help the students to clarify the basic and fundamental concepts of the management systems.

## Criterion 2- TEACHING-LEARNING AND EVALUATION

4. To illustrate the ability to directly leading and communicating effectively.
5. It would be useful for analyzing, evaluating and synthesizing the information of management.

### **Paper No. BC.3.4 Mercantile Law**

**Course outcomes:** Students will be able to apply and follow the rules and regulations as per the various business and mercantile laws.

SuchAs

1.IndianContract Act, 1872. Negotiable Instruments Act, 1881 3. Sale of Goods Act, 1930.Indian Partnership Act, 1932. Consumer Protection Act, 1986 Paper No. BC.3.5 Fundamentals of Income Tax

### **Paper No. BC.3.5 Fundamentals of Income Tax**

**Course Outcomes:**

1. After Completion of course students will be capable to describe the provisions in the corporate tax law which can be used for tax planning.
2. Students can well define the residential status of the assets.
3. Student of the course will be able to explain different type of income of their tax liabilities, expenses and their deduction ability.
4. Students who complete their course will be able to learn various direct and indirect taxes and their implications.

### **B.com Second year Semester IV (CBCS Patterns)**

#### **Paper No. BC.4.1 Advance Corporate Accounting**

**Course outcomes:-**

- 1) Student can acquire an idea about internal reconstruction of the company
- 2) The learn and understand how the two companies amalgamated
- 3) Students get knowledge of process of how the Holding company and subsidiary company come together
- 4) Provide the knowledge of Advance and recent transactional concept of corporate accounting

#### **Paper No. BC.4.2 Advanced Cost Accounting**

**Course Outcomes**

- 1) It will assist to student in company decisions making in practical manner
- 2) Students has an opportunity to become a cost analyst and cost accountant
- 3) Students can evaluate financial cost and cost volume profit model by acquiring the costing knowledge
- 4) Students can become to propose an organizational design based managerial accounting concept.

#### **Paper No. BC.4.3 Business Management**

**Course Outcomes:**

- 1.It is beneficial to become successful manager.



## Criterion 2- TEACHING-LEARNING AND EVALUATION

2.It is very useful to apply theories and techniques of management in practical life.

3. It develops managerial skills among the students.

**Paper No. SEC.2.4 Retail Business Accounting Paper No.**

**BC.4.4 Corporate Law**

**Course outcomes:-**

- 1) Student know the procedure of conducting meetings
- 2) Student has an opportunity to become a company secretary
- 3) By acquiring the knowledge of technical process of company winding-up
- 4) Student can understand various provision of incorporation of company

**Paper No. BC.4.5 Income Tax Law and Practice**

**Course Outcomes**

- 1) Student able to make differentiate the direct and indirect tax
- 2) Student acquaint the knowledge and able to file tax return on individual
- 3) To learn and make able to compute total Income and define tax compliance and structure.
- 4) Enable to understand amendment made from time to time by finance department.

**B. Com. Third Year Semester -V(CBCS Pattern)**

**1. Advanced Accounting – I (XXIII)**

**Course Outcomes:** 1. Student can acquire knowledge of advance level of accounting for professional

2.The course is to equip the students with the ability to analysis interpret and use accounting information in managerial decision making and auditing.

**2. Management Accounting – I (XXIV)**

**Course Outcomes:** 1. This course is to equip the students with the ability to analysis, interpret and use accounting information in Management accounting information in managerial decision making.

2. The student is expected to have a good working knowledge of the subject.

3. This paper provides the students an understanding of the application of accounting techniques for management.

**3. Auditing-I (XXV)**

**Course Outcomes:**

1. The course is to provide the candidates with sound Knowledge of the important provisions of the Audit and company law and their Applications in practices.

2.The course is to provide the candidates with sound Knowledge of Regarding minute study to find out the fraud and errors in accounting.

**4. (B) Human Resource Management-I (XXVI)**

**Course Outcomes:**

## **Criterion 2- TEACHING-LEARNING AND EVALUATION**

1. The course is to gain the holistic knowledge of human resource engaged in the business world.
2. The course is to provide the candidates of understand the nature and applicability of the major HR Practice.

### **5. (B) Marketing Management-I (XXVII)**

#### **Course Outcomes:**

1. This course is to provide a sound understanding of the basic Principles of Marketing Management and their applications in the business and industry.
2. This course aware oneself in respect of difference between sales and marketing

### **GE-I.1 Indian Economy-I**

#### **Course Outcomes:**

1. Acquaint the student with the development of knowledge about Indian Economy and various system of control the Economic crises in Indian Economy.

## **B. Com. Third Year Semester VI**

### **1. Advanced Accounting-II (XXIX)**

#### **Course Outcomes:**

1. Student can acquire knowledge of advance level of accounting for professional
2. The course is to equip the students with the ability to analysis interpret and use accounting information in managerial decision making and auditing.

### **2. Management Accounting - II (XXX)**

#### **Course Outcomes:**

1. This course is to equip the students with the ability to analysis, interpret and use accounting information in Management accounting information in managerial decision making.
2. The student is expected to have a good working knowledge of the subject.
3. This paper provides the students an understanding of the application of accounting techniques for management.

### **3. Auditing-II (XXXI)**

#### **Course Outcomes:**

1. The course is to provide the candidates with sound Knowledge of the important provisions of the Audit and company law and their Applications in practices.
2. The course is to provide the candidates with sound Knowledge of Regarding minute study to find out the fraud and errors in accounting.

### **4. (B) Human Resource Management-II (XXXII)**

#### **Course Outcomes:**

## **Criterion 2- TEACHING-LEARNING AND EVALUATION**

1. The course is to gain the holistic knowledge of human resource engaged in the business world.
2. The course is to provide the candidates of understand the nature and applicability of the major HR Practice.

### **5. (B) Marketing Management-II (XXXIII)**

#### **Course Outcomes:**

1. This course is to provide a sound understanding of the basic Principles of Marketing Management and their applications in the business and industry.
2. This course aware oneself in respect of difference between sales and marketing.

### **GE-II.1 Indian Economy-II**

#### **Course Outcomes:**

1. Acquaint the student with the development of knowledge about Indian Economy and various system of control the Economic crises in Indian Economy.

### **SEC-III.4 Accounting and Tally**

#### **Course Outcomes:**

1. Develop the knowledge of student in accounting treatment with the help of computer software technology.

Participation in NSS Activity