

Department of **Bachelor of Business Administration (Computer Applications) (B.B.A (C.A.)**

Programme	Programme outcomes	Programme Specific Outcomes	Course Outcomes
<b>First Year of Bachelor of Business Administration in Computer Application F.Y.B.B.A.(C.A)</b>	PO1. Generate skill based employable computer graduates and producing quality human resource.	PSO-1: Produce employable IT workforce, that will have sound knowledge of IT and Business fundamentals that can be applied to develop and customize solutions for Small andMedium Enterprises (SME).	CO1. 102. Financial Accounting Course Outcome: To impart the knowledge about recording of transactions and preparation of final accounts To acquaint the students about accounting software packages.
	PO2. Provide guidance and technical attitude to become excellent management professionals.	PSO-2: Develop skilled manpower in the various areas of information technology like: Data base management, Software Development, Computer-Languages, Software engineering, Web based applications etc.	CO2. 103. Principles of Programming and Algorithms Course Outcome: Enables student to develop Analytical / Logical Thinking and Problem Solving capabilities.
	PO3.Provide ability to solve problem, decision making in an organization.	PSO-3: Produce critical thinkers in relation to business and commerce related issues and in developing solutions to problems in organizations and in society.	CO3. 104. Business Communication Course Outcome: 1. To understand the concept, process and importance of communication. 2. To create awareness among students about Methods and Media of communication. 4. To make students familiar with information technology and improve job seeking skills.
	PO4.Inculcate IT related skills.		CO4. 105. Principles of Management Course Outcome: 1.To provide the fundamental Knowledge about working of business organization. 2. To make students well acquainted with management process, functions and principles.
	PO5.Help to develop interpersonal skills.		CO5. 203. Organizational Behavior Course Outcomes: 1. To equip the students to understand the impact that individual, group & structures have on their. Behavior within the organizations. 2.To help them enhance and apply the knowledge they have received for the betterment of the Organization.
	PO6.Provide internship with various industries, private, public and corporate sector.		CO6. 204.Elements of Statistics Course Outcomes: 1. To understand the power of excel spreadsheet in computing summary statistics. 2. To understand the concept of various measures of central tendency and variation and their importance in business.
	PO7. Accept modern technical challenges.		

PO8. Provide business related computer skills to students.

<p><b>Bachelor of Business Administration in Computer Application</b> <b>Second Year of Bachelor of Business Administration in Computer Application (S.Y.B.B.A.(C.A))</b></p>	<p>PO1.Providesabilities and knowledge to perform specific tasks in information technology.</p> <p>PO2. Provides ability to write code of programminglanguages.</p> <p>PO3.Help to develop communication skill.</p> <p>PO4.Helps to improve database skill.</p> <p>PO5.Provides guidance to design and build database</p> <p>PO6.Guidance to problems solving and coding.</p> <p>PO7.Helps to implement data structure</p> <p>PO8.Guidanc to evaluate information critically and competently.</p>	<p>PSO-1. Acquire knowledge of database.</p> <p>PSO-2. Knowledge about data structure.</p> <p>PSO-3. Develop skilled manpower in the various areas of information technology like: Data base management, Software Development, Computer-Languages, Software engineering.</p> <p>PSO-4.Understand system concepts in operating system.</p> <p>PSO-5. Knowledge aboutconnecting device used in network.</p> <p>PSO-6. Developed knowledge about enterprise resource planning.</p>	<p>CO 1301. (Relational Database Management System) Course Outcomes:</p> <p>1. Enables students to understand relational database concepts and transaction management concepts in database system.</p> <p>2. Enables student to write PL/SQL programs that use: procedure, function, package, cursor and trigger.</p> <p>CO2. 302. Data Structure Using C</p> <p>1. Enables students to understand different methods of organizing large amounts of data</p> <p>2. Students can efficiently implement different data structure</p> <p>3. Students can efficiently implement solution for different problems</p> <p>4. To get more knowledge on C programming language</p> <p>CO3. 303.Introduction to Operating System.</p> <p>1. To know system programming.</p> <p>2. To know services provided by operating system.</p> <p>3. To know the Scheduling concepts.</p> <p>CO4. 305.Software Engineering</p> <p>1.This course enables students to understand system concepts and its application in Software development.</p> <p>CO5. 401.Object Oriented Programming Using C++</p> <p>1. Acquire an understanding of basic object-oriented concepts and the issues involved in effective class design.</p> <p>2. Enables student to write C++ programs that use: object-oriented concepts such as information hiding, constructors, destructors, inheritance.</p> <p>CO6. 402. Programming in Visual Basic</p>
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			<p>1. To learn properties and events, methods of controls and how to handle events of different controls.</p> <p>2. To understand the use of active controls and how to design VB application</p> <p>3. To learn connectivity between VB and databases.</p> <p>CO7. 403. Computer Networking</p> <p>1. To know about computer network.</p> <p>2. To understanding the use of connecting device used in network.</p> <p>CO8. 404. Enterprise Resource Planning and Management</p> <p>1. To know what is ERP.</p> <p>2. To learn different ERP technologies.</p> <p>CO9. 405. Human Resource Management</p> <p>1. To acquaint the students with the Human Resource Management.its different</p> <p>3. To study functions in an organization and the Human Resource Processes.</p> <p>2. Planning, motivating and developing suitable employees for the benefit of the organization.</p>
<p><b>Bachelor of Business Administration in Computer Application</b></p> <p><b>Third Year of Bachelor of Business Administration in Computer Application (T.Y.B.B.A.(C.A))</b></p>	<p>PO1. To learn the basic concept of Java Programming.</p> <p>PO2. To understand how to use programming in day to day applications.</p> <p>PO3. To know &amp; understand concepts of internet programming.</p> <p>PO4. To understand how to develop web based applications using PHP.</p> <p>PO5. This will introduce visual programming and event driven programming practically.</p> <p>PO 6. This will enhance applications development skill of the student.</p> <p>PO7. To know &amp; understand concepts of internet programming.</p>	<p>PSO-1. Learned how to use programming in day to day applications.</p> <p>PSO-2. Knows &amp; understands the internet programming.</p> <p>PSO-3. Understands to develop web based applications using PHP and HTML.</p> <p>PSO-4. Introduced visual programming and event driven programming practically.</p> <p>PSO-5. Enhanced applications development skill of the student.</p> <p>PSO-6. Understand projects in information technology.</p> <p>PSO-7. Enhanced knowledge of programming languages.</p>	<p>CO1. 501: Java Programming</p> <p>1. To learn the basic concept of Java Programming.</p> <p>2. To understand how to use programming in day to day applications.</p> <p>CO2. 502: Web Technologies</p> <p>1. To know &amp; understand concepts of internet programming.</p> <p>2. To understand how to develop web based applications using PHP.</p> <p>CO3. 503: Dot Net Programming</p> <p>1. This will introduce visual programming and event driven programming practically.</p>

		<p>2. This will enhance applications development skill of the student.</p> <p>CO4. 504 : Object Oriented Software Engineering</p> <ol style="list-style-type: none"><li>1. To Understand concept of system design using UML.</li><li>2. To understand system development through object oriented techniques.</li></ol> <p>CO5. 601 : Advanced Web Technologies</p> <ol style="list-style-type: none"><li>1. To know &amp; understand concepts of internet programming.</li><li>2. To understand the concepts of XML and AJAX.</li></ol> <p>CO6. 602 : Advanced Java</p> <ol style="list-style-type: none"><li>1. To know the concept of Java Programming.</li><li>2. To understand how to use programming in day to day applications.</li><li>3. To develop programming logic.</li></ol> <p>CO7. 603: Recent Trends in IT</p> <ol style="list-style-type: none"><li>1. To introduce upcoming trends in Information technology.</li><li>2. To study Eco friendly software development.</li></ol> <p>CO8. 604: Software Testing</p> <ol style="list-style-type: none"><li>1. To know the concept of software testing.</li><li>2. To understand how to test bugs in software.</li><li>3. To develop programming logic.</li></ol>
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<b>Department of Botany</b>		
<b>Programme</b>	<b>Programme outcomes</b>	<b>Programme Specific Outcomes</b>
<b>Bachelor of Science First Year of Bachelor of Science (F.Y.B.Sc.)</b>	PO1. Define Curriculum career-oriented approaches.	PSO1: Learn the life cycle patterns of Algae, Fungi, Bryophytes, Pteridophytes, Gymnosperms and Angiosperms.
	PO2. Establish bonding with the local community and internships with industry.	PSO2: Understand the cytological preparations of fixatives and staining to acquire knowledge related to Mitosis, Meiosis, Chromosomal Morphology, DNA and RNA as well as plant tissues.
	PO3. Understand the basic principles, concepts, structures in science and applying for advancement in technology.	PSO3: Make students familiar with PTC (Plant Tissue Culture)- Micropropagation, Callus culture, Mass cultivation, Rhizogenesis and caulogenesis.
	PO4. Provide laboratory skills effectively.	PSO4: Learn the processes of development like seed germination and early seedling growth by using effect of agrochemicals, mutagenes, plant extracts and fertilizers.
	PO5. Inculcate of research culture among students and teachers.	PSO5: Know the methods of studying vegetation and types of Pollution.
	PO6. Facilitate services in applied sciences.	PSO6: Train to maintain the record of biodiversity and excursions.
	PO7. Enhancement of scientific and inquisitive approach among students and society for progressive nation.	PSO7: Provide the knowledge of Phytochemicals and Ayurvedic formulations such as Triphalachurna, Kadha, Asav etc.
	PO8. Holistic approach towards environment and awareness towards harmonious life.	PSO8: Study the effect of hybridization in breeding technique and seed development.
<b>Second Year of Bachelor of Science (S.Y.B.Sc.)</b>		

**Third Year of  
Bachelor of  
Science  
(T.Y.B.Sc.)**

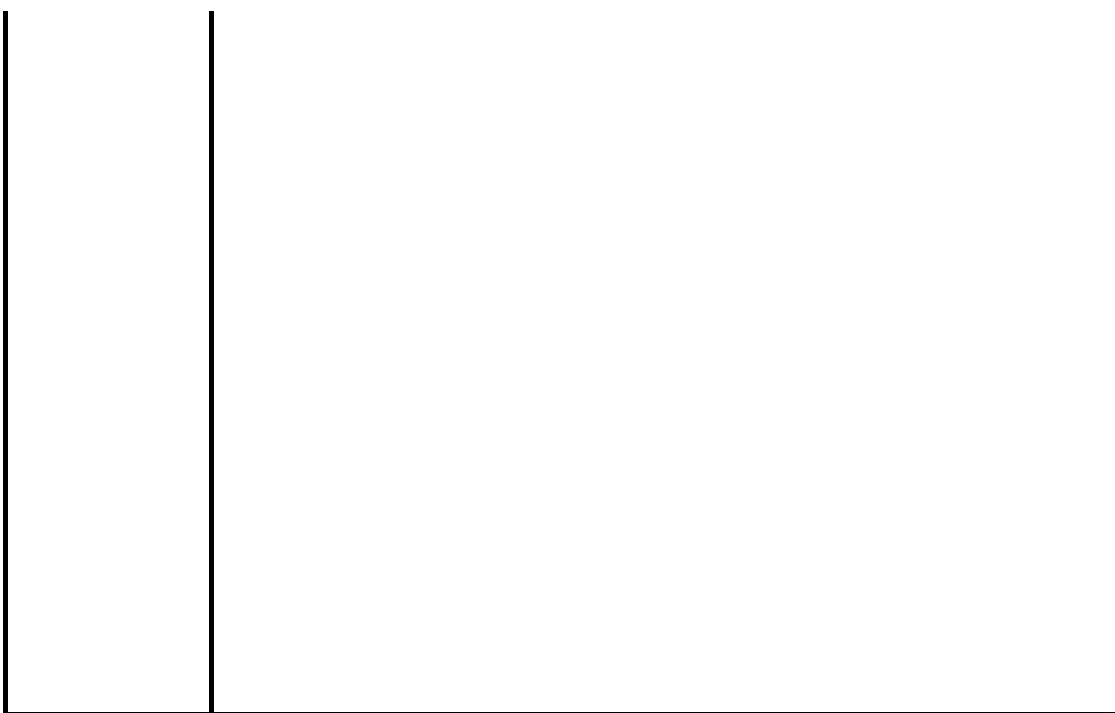
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**Course Outcomes**

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F. Y. B. Sc Botany (Annual Pattern)

111: Plant Diversity, Plant Morphology and Anatomy Paper I

CO1. To provide thorough knowledge about various primitive plant groups.

CO2. Acquired the knowledge of plant groups from cryptogams to phanerogams.

CO3. To make the study illustrative through examples.

112: Industrial Botany Paper II

CO1. To make the students aware of applications of different plants in various industries

CO2. To highlight the potential of the plant resources.

CO3. To understand and study the uses of different plants and their parts to be used for commercial significance.

CO4. Exposed to the various applications required by industries in life sciences.

Practical paper III

CO1. To get acquainted with the subject in live form through examples and field visits.

CO2. To handle and use the material practically to understand the subject.

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S. Y. B. Sc Botany

(Semester pattern) Semester I

211: Taxonomy of Angiosperms and Plant community paper I Sem I

CO1. To provide thorough knowledge about various highly evolved plant groups and classification studies.

CO2. To study the ecological succession and the community development of plants.

212: Plant Physiology Paper II Sem I

CO1. To study the different metabolic process required to operate the plant system.

Semester II 221:

Plant Anatomy and Embryology Paper I Sem II

CO1. To understand the plant development pattern, the study of Internal structure of plant is necessary.

CO2. To study the Plant embryonic development from zygote to plantlet and plants using examples.

222: Plant Biotechnology Paper II Sem II

CO1. To introduce the concept of Plant biotechnology and its applications in industry.

CO2. To study the techniques of plant multiplication and nano-Practical based on theory course Paper III

CO1. To make the students handle the material and study the characters of plants for understanding

CO2. To equipped the students with skills related to laboratory as well as field based studies

CO3. Learned skills related to laboratory and land culture.

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T. Y. B. Sc. Botany (Semester Pattern) Semester III

BO331 paper I Cryptogamic Botany

CO1. Study of Lower plant groups.

CO2. Interpret the performance characteristics & life cycles of various lower plants.

BO332 paper II Cell and Molecular Biology

CO1. To study the cell and molecular structure of plants.

CO2. To clear the concept of plant cell functions at cellular to molecular level.

BO 333 Paper III Genetics and Evolution

CO1. To understand the structure of plants at the gene level and to study the expression of characters.

CO2. Analyze the evolutionary aspects along with genetic characteristics for better classification of plant group.

CO3. To find out the evolutionary pathway of plants.

BO334 Paper IV Spermatophyta and Palaeobotany

CO1. To study the taxonomic plant groups as families with their characters.

CO2. To understand the difference between the plant groups.

CO3. To study the forms of plant fossils.

CO4. To study the various lines of evolution of Plants with respect to living as well as fossil forms.

BO 335 Paper IV Horticulture and Floriculture

CO1 To study the process of cultivation of commercial crops.

CO2. To develop the skills to become entrepreneurship for small scale startup of Plant nursery- fruits and flowers.

BO 336 Paper VI Computational Botany CO1 To study and

understand the use of statistical methods in Data compilation of living organisms.

CO2. Apply optimization, numerical methods, statistical methods to solve problems

T. Y. B. Sc. Botany Semester IV

BO 341 Paper I Plant Physiology and Biochemistry

CO1. To study the role of different components in cell functioning.

CO2. To study the different metabolic process for synthesis of food material in plants.

BO 342 Paper II Plant Ecology and Biodiversity

CO1. To study the plant diversity according to its ecological groups.

CO2. To understand the rules of dynamic ecology and balance of nature.

CO3. To make the students aware about conservation and sustainable use of plants

BO 343 Paper III Plant Pathology

CO1. To study the different diseases associated with plants.

CO2. To understand the mechanism of disease development.

CO3. To understand different post harvest methods to cope over diseases.

BO 344 Paper IV Medicinal and Economic Botany

CO1. To understand the medicinal and other uses of plant resources.

CO2. To encourage the students about conservation and sustainable use of plants.

BO 345 Paper V Plant

Biotechnology CO1. To study the new applications of Plant for benefit

CO2. To study the improved techniques of Plant growth and utilization of resources.

CO3. To understand novel technologies using plants.

BO346 Paper VI Plant Breeding and Seed Technology

CO1. To study and understand the process of plant breeding and storage.

CO2. To Evaluate the performance of multiplication technique and seed storage techniques.

BO 347 Practical I

CO1 To practically study the plant forms and study the uses related to different groups of plants.

BO 348 Practical II

CO1 To study and handle the taxonomic flora with relation to their characteristics.

CO2 To demonstrate the plant diversity the local tours are arranged.

BO 349 Practical III

CO1. To study different statistical methods used for evaluating plant characteristics.

CO2 To understand the medicinal values of plants.

CO3. To undertake small projects to understand botany.

**Department of Chemistry**

<b>Programme</b>	<b>Programme outcomes</b>	<b>Programme Specific Outcomes</b>
<b>Bachelor of Science First Year of Bachelor of Science (F.Y.B.Sc.)</b>	PO1. Define Curriculum career-oriented approaches.	PSO1. Provide thorough knowledge of scientific and technological aspects in Chemistry.
	PO2. Establish bonding with the local community and internships with industry.	PSO2. Familiarize with recent developments in the subject.
	PO3. Understand the basic principles, concepts, structures in science and applying for advancement in technology.	PSO3. Enrich knowledge through industrial visits and projects.
	PO4. Provide laboratory skills effectively.	PSO4. Imbibe academic and industry related skills required for campus and corporate.
	PO5. Inculcate of research culture among students and teachers.	PSO5. Fabricate knowledge base for research and developments in Chemistry.
	PO6. Facilitate services in applied sciences.	PSO6. Inculcate skills for the structural determination by various spectral tools.
	PO7. Enhancement of scientific and inquisitive approach among students and society for progressive nation.	PSO7. Motivate students to build career in Chemistry.
	PO8. Holistic approach towards environment and awareness towards harmonious life.	
<b>Second Year of Bachelor of Science (S.Y.B.Sc.)</b>		<p>PSO1. Provide thorough knowledge of scientific and technological aspects in Chemistry.</p> <p>PSO2. Familiarize with recent developments in the subject.</p> <p>PSO3. Enrich knowledge through industrial visits and projects.</p> <p>PSO4. Imbibe academic and industry related skills required for campus and corporate.</p> <p>PSO5. Fabricate knowledge base for research and developments in Chemistry.</p>

PSO6. Inculcate skills for the structural determination by various spectral tools.

PSO7. Motivate students to build career in Chemistry.

**Third Year of  
Bachelor of Science  
(T.Y.B.Sc.)**

PSO1. Provide thorough knowledge of scientific and technological aspects in Chemistry.

PSO2. Familiarize with recent developments in the subject.

PSO3. Enrich knowledge through industrial visits and projects.

PSO4. Imbibe academic and industry related skills required for campus and corporate.

PSO5. Fabricate knowledge base for research and developments in Chemistry.

PSO6. Inculcate skills for the structural determination by various spectral tools.

PSO7. Motivate students to build career in Chemistry.



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## Course Outcomes

1. Chemistry: (Physical and Inorganic Chemistry) Course

Code-71310

CO-1: To understand the fundamentals, principles, mathematical concepts and recent developments in the subject area.  
(Organic and Inorganic Chemistry)

Course Code-71320

CO-1 To Understand Chemical Reactions and mechanism

CO2: To learn periodic table and chemical bonding

Chemistry practical

Course code-71330

CO 1: To acquire skills of handling various tools, instrumentation techniques for chemical analysis

1. Chemistry: (Physical and Analytical Chemistry) Course Code-81311

CO1: To learn the basic concepts related to kinetics and Physical Chemistry

CO2 : To impart basic knowledge of photochemistry and its applications  
understand Nernst Distribution Law and its applications

CO-3: To introduce basics of analytical chemistry

CO-4: To understand errors and its interpretation

CO5: To disseminate knowledge of qualitative & quantitative analysis of organic and Inorganic compounds

(Organic and Inorganic Chemistry)

Course Code- 81321

CO 1: To understand stereochemistry of Organic Compounds

CO 2: To understand different type of Organic reactions

CO 3: To study principles and process of metallurgy.

SEMESTER – II

(Physical and Analytical Chemistry Course code-81312

CO 1: To conceptualize phenomenon of free energy and equilibria.

CO 2: To distinguish behavior of liquid phase solutions.

CO 3: To provide basic knowledge essential for volumetric analysis

Practical Course in Chemistry

Course code-81332 CO

1: To correlate theoretical and experimental knowledge

CO2: Acquired skills of handling various tools, instrumentation techniques for chemical analysis

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Course: Physical Chemistry

Course code : 91313

CO1: To learn the basic concepts related to kinetics and chemical and electrical Chemistry

CO 2: To understand the Meaning and Types of equilibrium such as true or static, metastable and Unstable equilibrium.

Semester-IV

Course: Physical Chemistry 91314

CO 1: To know the basics

Electrochemical cell with specific examples

CO 2: To know the basics of crystal structure and quantum chemistry

Physical Chemistry Practicals: 91374

CO 1: To correlate theoretical and experimental knowledge

Semester-III Course:

Inorganic Chemistry

Course code :91323

CO 1: To know the Molecular Orbital Theory, VBT, CFT etc.

CO 2: Know the meaning of various terms involved in coordination chemistry.

Semester-IV

Course: Inorganic Chemistry

Course code : 91324

CO 1: student should know The meaning of term f-block elements, Inner transition elements, lanthanides, actinides

CO 2: The meaning of metal & semiconductor.

CO 3: student should know the heterogeneous catalyst and heterogeneous catalysis.

INORGANIC CHEMISTRY

PRACTICALS

Course code : 91384

CO 1: To equip students to correlate theoretical and experimental knowledge

Semester III : Organic Chemistry

Course Code : 91333

CO 1: To know the basics of organic reactions

CO 2: To study the different organic reagents

CO 3: To learn the stereochemistry of disubstituted cyclohexane

Semester IV : Organic Chemistry

Course Code : 91334

CO : Definition and formation of carbanions

CO 2: Retrosynthetic analysis and applications

CO 3: Retrosynthetic analysis and applications

Organic Chemistry Practical

Course Code : 91394

CO 1: Acquired skills of handling various tools, instrumentation techniques for chemical analysis

Semester-III Analytical  
Chemistry Course

Code : 91343

CO 1: Principles of Spectrophotometric analysis and properties of electromagnetic radiations

CO2 : Voltammetry and polarography as an analytical tool

Semester-IV Course: Analytical  
Chemistry 91344

CO 1 :to know Solvent Extraction

CO 2: Separation mechanism involved in GSC and GLC

CO 3: Separation mechanism  
involved in adsorption and partition

Semester- III

Course: Industrial Chemistry 91353

CO 1: to know Importance of  
chemical industry, Various  
insecticides, Pesticides & Fungicides

CO 2: To know the principals  
involved in manufacturing process

CO 3: To know the Nutritive aspects  
of food constituents, Food  
preservation and Food additives

CO 4: Various operations involved in  
the manufacture and compositions

CO 5: Properties and uses of special  
glasses.

Semester- IV

Course: Industrial Chemistry

Course Code : 91354

CO 1: Students should know Polymer  
chemistry

CO 2: The students are expected to  
learn Importance of sugar industry  
and Fermentation Industry

CO 3: Students should know about  
different types of soap detergents and  
Cosmetics products

Semester-III

Course: Agriculture Chemistry

Course Code : 913E3

CO 1: To Know the role of agriculture  
chemistry and its potential

CO 2: Understand basic concept of  
soil, properties of soil & its  
classification on the basis of pH

CO 3: Know the different plant  
nutrients, Their functions and  
deficiency symptoms

Semester-IV

Course: Dairy Chemistry

Course Code : 913E4

CO 1: Knowing importance of the  
subject from the point of rural  
economy.

CO 2: Knowing the composition of  
milk, its food & nutritive value

CO 3: Understanding the  
Microbiology of the milk

CO 4: Understanding various  
preservation and adulterants, various  
milk proteins and their role for the  
human body.

CO 5 : Knowing various milk  
products, their composition,  
manufacture and uses



### Department of Commerce

Programme	Programme outcomes	Programme Specific Outcomes
<b>Bachelor of Commerce First Year of Bachelor of Commerce (F.Y.B.Com.)</b>	<p>PO1. Generate skill based employable Commerce graduates and producing quality human resource.</p> <p>PO2. Provide guidance and commercial attitude to become excellent management professionals.</p> <p>PO3. Inculcate marketing and entrepreneurship skills.</p> <p>PO4. Provide internship with various industries, private, public and corporate sector.</p> <p>PO5. Accept modern commercial challenges.</p> <p>PO6. Provide business related computer skills to students.</p>	<p>PSO1-Acquaint students with practical approach to accounts writing by using software package.</p> <p>PSO1. Give exposure to the operational environment in the field of Banking and Marketing.</p> <p>PSO2. Provide basic knowledge and its applications in Accounting &amp; Finance.</p>
<b>Second Year of Bachelor of Commerce (S.Y.B.Com.)</b>		<p>PSO1. Know the contemporary business concepts.</p> <p>PSO2. Calculate the basic cost of the new products.</p> <p>PSO3. Acquaint the new government policies and business rules.</p>

**Third Year of  
Bachelor of  
Commerce  
(T.Y.B.Com.)**

PSO1. Orient students for new research trends at global level.

PSO2. Promote students for self-employment and benefit industry by providing trained people to corporate sector.

PSO3. Acquaint the concepts and principles of Auditing, Audit process, Assurance Standards, GST, Tax Audit and Audit of computerized systems.

PSO4. Facilitate the tax holders and provide advice to customer for the business friendly approach.

**M.Com – First  
Year (semester  
first)**

PSO1- The Course is enable to students to acquire sound knowledge of concepts, methods, techniques of management accounting.

PSO2- To study the basic concepts, significance, problems of industrial economics and industrialization

PSO3- To equip the students for designing , implementing cost control, cost reduction programme, different cost system.

**M.Com – First  
Year (semester  
Second )**

**M.Com – Second  
Year- (semester  
Third)**

<b>M.Com – Second Year- (semester Fourth)</b>	
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### **Course Outcomes**

#### 1. Financial Accounting 1123

(Topic Name- Introduction of Accounting Standards)

Course Code-102 CO1.-

To impart knowledge of various accounting concepts

CO2.-To instill the knowledge about accounting procedure, methods and techniques.

#### 2. Banking and Finance

(Topic Name- Fundamentals of Banking)

Course Code-105b

CO1.-To make students aware of banking business and practices.

CO2.-To acquaint the students with the fundamentals of banking.

#### 3. Marketing and Salesmanship

(Topic Name- Fundamentals of Marketing )

Course Code-106c

CO1.- To create awareness about market and marketing

CO2.- To understand the basic concepts of marketing.

#### Business Communication

Course Code-201

CO1.- To develop awareness regarding new trends in business communication.

CO2.- To develop business communication skill through the application and exercise.

#### Corporate Accounting

Course Code-202

CO1.- To make aware the students about the conceptual aspect of corporate accounting.

CO2.- To enable the students to develop skill about accounting standards

Business management :

Course Code-204 CO1.

Imbibed managerial skills and commercial attitude.

CO2. Trained in management skills to take quality decisions and control the business activities.

Elements of Company Law :

Course Code-205

CO1.- Formulated innovative business models and organizational structures.

CO2.- To impart students the provision and procedure under company law.

Cost and Works Accounting- Special Paper - I Course Code-206- E

CO1.- Learned costing techniques and methods in manufacturing business.

CO2.- To impart the knowledge of basic cost concepts, elements of cost and ascertainment of material and labour cost

Marketing Management - Special Paper - I Course Code-206- H

CO1.- To create awareness about marketing of eco friendly products in the society through students.

CO2.- To orient the students recent trends in marketing management.

CO3.- To help the students understand the influences of marketing management on consumer

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Business Regulatory Framework

Course Code-301

CO1.- To acquaint students with the basic concepts, term and provision of mercantile and business law.

Advanced Accounting :

Course Code-302

CO1.-Imparted advanced knowledge of accounting and its applications through new techniques.



CO2.- To understand the procedure of finalization of accounts in specific sectors.

Auditing And Taxation:-

Course Code-304

CO1.- To get knowledge about preparation of Audit Report.

CO2.- To prepare students competent enough to take up to employment in tax planer.

Cost and works accounting:- Special Paper -II (Overheads and Methods of Costing) Course Code-305 E

CO1.- To provide training about the concepts, principles and application of overheads and also understanding various methods of costing and their applications

Cost and works accounting:- Special Paper –III ( Costing Techniques and Cost Audit) Course Code-306 E

CO1. – To impart training regarding techniques of cost control.

CO2. - To develop skills in cost control and in cost audit

Marketing Management - Special Paper – II

Marketing Management Course Code-305- H

CO1. – To study and critically analyze the relevant concepts in Marketing.

CO2. – To familiarize to students with the currents concepts and trends in marketing

Marketing Management - Special Paper – III

Advertising Management Course Code- 306 - H

CO1. – To enable the students to get a better understanding of advertising and Brand Marketing.

CO2. – To enable the students to take up advertising as a career.

Management Accounting

Course Code:101 CO1-

The objective of the course is to enable students to acquire sound knowledge of concept, methods and technique of management accounting and to make the students develop competence with their usage in managerial decision making and control.

Strategic Management

Course Code :102

CO1- To understand the strategic management and planning.

CO2- Strategic Management is the Monitoring, evaluating, decision Making and execution of strategy.

Advanced cost accounting and cost system – special paper -I

(Subject Title : Advanced cost accounting) Course Code :107

CO1- To acquaint the students with the significance of cost accounting in global competitive environment.

CO2- To enable students to learn application of different methods of costing.

Advanced cost Accounting and cost system Special Paper-II (Subject Title - Costing techniques and responsibility Accounting)

Course Code :108

CO1- To aware relevant Cost Accounting standard are to be studied.

CO2- To know cost control and cost reduction programs.

Financial Analysis and Control

Course Code - 201

CO1- To enable students to acquire sound knowledge of the concepts, methods and techniques of management accounting and to make the students develop competence with their usage in managerial decision making and control.

Industrial Economics

Course Code - 202-A

CO1- To study the impact of industrialization on indian economy.

CO2- To study the basic concepts of Industrial economics

Advanced cost Accounting and cost system Special Paper-III (Subject Title- Application of Cost Accounting) Course Code –

CO1- To provide knowledge on advance cost accounting practices.

CO2- Relevant cost accounting standards are to be studied.

Advanced cost Accounting and cost system Special Paper-IV (Subject Title- Cost Control and Cost System) Course Code – 208

CO1- To equip the students for designing and implementing cost control, cost reduction programme and different cost system.

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Business Finance

Course Code – 301

CO1- To enable students to acquire sound knowledge of concepts, nature and structure of business finance.

Research Methodology for Business Course Code – 302

CO1 - To enhance of capabilities of students to conduct the research in the field of business and social science.

CO2 – Developing appropriate methodology for research studies.

Advanced Cost Accounting and Cost System

Special Paper – V

(Subject Title- Cost Audit )

Course Code – 307

CO1 - To provide knowledge on cost audit practices.

Advanced Cost Accounting and Cost System Special Paper – VI (Subject Title – Management Audit )

Course Code – 308

CO1 - To equip the students with the knowledge of the techniques and methods of planning and executing the management audit.

Capital Market and Financial Services

Course Code – 401 CO1 -

To enable the students to acquire sound knowledge, concept and structure of capital market and financial services.

Industrial Economic Environment.

Course code:402A.

CO1- To study the basic concepts of Industrial Finance.

CO2- To study the Impact of labor reform on industries.

Advanced Cost Accounting and Cost System Special Paper – VII (Subject Title- Recent Advances in cost auditing and cost system)

Course Code – 407

CO1- To provide knowledge on recent advances in cost accounting and cost system.

Advanced Cost Accounting and Cost System Special Paper – VIII

(Subject Title - Project Work / Case Studies ) Course Code – 408

CO1 – To allow students with real expertise and understanding as well as judgment to excel.

**Department of Economics**

<b>Programme</b>	<b>Programme outcomes</b>	<b>Programme Specific Outcomes</b>
<p><b>Bachelor of Arts First Year of Bachelor of Arts (F.Y.B.A.)</b></p>	<p>PO1. Describe the role of government in promoting the market environment and competitive markets, diminishing poverty and enabling public goods supply.</p> <p>PO2. Develop the attitude to apply knowledge of probability for business and economic decision making.</p> <p>PO3. Know about free trade, tariff, quota, tariff-rate quota, voluntary export restraints, production subsidy and export subsidy models in international economics.</p> <p>PO4. Imbibe knowledge of investment, financial transaction and functioning of financial organizations.</p> <p>PO5. Study the taxation and its functions in economy.</p>	<p>PSO1. Understanding the fundamentals for the base.</p> <p>PSO2. Understand the behavior of an economic agent, consumer, producer, factor owner and the price fluctuation in the market.</p> <p>PSO3. Understand the economic and financial policies and their implications.</p> <p>PSO4. Review the annual national budget and its effects on economy.</p> <p>PSO5. Know functions and transactions in banking system.</p> <p>PSO6. Identify the relationships between production, costs and cost curves and implications.</p>
<p><b>Bachelor of Arts Second Year of Bachelor of Arts (S.Y.B.A.)</b></p>		<p>PSO1. Know functions and transactions in banking system.</p> <p>PSO2. Understand the behavior of an economic agent, consumer, producer, factor owner and the price fluctuation in the market.</p> <p>PSO3. Review the annual national budget, income and its effects on economy.</p>

**Bachelor of Arts  
Third Year of  
Bachelor of Arts  
(T.Y.B.A.)**

PSO1. Understand the economic and financial policies and their implications.  
PSO2. Identify the relationships between production, costs and cost curves and implications.

PSO3. Review the annual national budget and its effects on economy

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**Course Outcomes**

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Economics General Paper- I  
(Indian Economy – Problems and Prospects)

(Course Code- 1157)

CO1. Understood micro model of market demand and supply to predict changes in price and output

CO2. Used macroeconomic models to explain the changes in output, employment, inflation and growth.

CO3. Trained students for statistical analysis and interpreting economic problems

CO4. Analysis of economic status of various countries.

CO5. Studied and utilized the economic data for statistical outcomes.

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1.Economics General Paper- II  
(Modern Banking)

(Course Code- 2157)

CO1. Created the awareness among the students of Modern Banking System.

CO2. Clear understood of the operations of banking their interaction with the rest of the economy is essential to realize how monetary forces operate through a multitude of channels- market, non-market, institutions and among others, the state.

Economics Special Paper- I  
(Micro Economics)

(Course Code- 2158)

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CO1. Understood the behavior of an economic agent, namely, a consumer, a producer, a factor owner and the price fluctuation in a market.

CO2. Studied the nature and scope of economics, the theory of consumer behavior, analysis of production function and equilibrium of a producer, the price formation in different markets structures and the equilibrium of a firm and industry.

Economics Special Paper- II (Macro Economics)

(Course Code- 2159)

CO1. On account of the growing influence and involvement of the State in economic fields, macroeconomics has become a major area of economic analysis in terms of theoretical, empirical as well as policy-making issues.

CO2. Understood the functioning of the economy as a whole, including how the economy's total output of goods and services and employment of resources is determined and what causes these totals to fluctuate.

Economics General Paper- III  
(Economic Development and Planning)  
(Course Code- 3157)

CO1. Studied of Economic Development has gained importance because of staid interest of the developing countries in uplifting their economic conditions by restructuring their economics to acquire greater diversity, efficiency and equity in consonance with their priorities.

CO2. In recent times, besides hard core economic prescriptions to development, concern hitherto relegated to background, like education, health, sanitation and infrastructural development, have found place of pride in explaining the preference of various economies incorporated in this paper are devoted to the theories of economic development, approaches to economic development, social and institutional aspects of development, constraints on development process, macroeconomic policies, roll of foreign capital and economic planning etc. in developing countries.

CO3. Created awareness of the basic theoretical framework underlying the field of macroeconomics.

Economics Special Paper- III  
(International Economics)  
(Course Code- 3158)

CO1. Understood the deep knowledge about the basic principles that tend to govern the free flow of trade in goods and services at the global level.

CO2. Trained about the rationale of recent changes in the export import policies of India

Economics Special Paper- IV  
(Public Finance)  
(Course Code- 3159)

CO1. Trained the students to use the techniques of statistical analysis, which are commonly applied to understand and analyze economic problems.

CO2. The emphasis of this paper is on understanding economic concepts with the help of statistical methods.

<b>English</b>		
<b>Programme</b>	<b>Outcomes</b>	<b>Programme Specific Outcomes</b>
<b>Bachelor of Arts First Year of Bachelor of Arts (F.Y.B.A.)</b>	PO1. Foster excellence in critical approach towards reading, writing, analyzing and thinking.	PSO1. Familiarize with literary prose, poetry, basics of grammar and communication skills in English.
	PO2. Encourage interdisciplinary approaches to learning.	PSO2. Train to use English language for practical purposes.
	PO3. Offer the opportunities for the personality development through clear understanding of self, imbibing values and humanity for active	PSO3. Inculcate various flavours of language and literature.
	PO4. Motivate for community involvement.	PSO4. Expose to a good blend of old and new literary extracts to realize the beauty of English language and literature.
	PO5. Provide innovative courses and curriculum in response to intellectual, social and professional needs for career building.	PSO1. Study selected extracts from masterpieces in prose and poetry such as drama, novel, poetry, one-act play and short stories in English.
	PO6. Promote soft skills among students.	PSO2. Imbibe literariness among students. PSO3. Study figures of speeches.  PSO4. Enable to formulate their own ideas about the contents of each unit.
<b>Bachelor of Arts Second Year of Bachelor of Arts (S.Y.B.A.)</b>		PSO1. Familiarize with literary prose, poetry and grammar in English.  PSO2. Train to use English language for practical purposes.  PSO3. Inculcate various flavours of language and literature among students.

PSO4. Expose to a good blend of old and new literary extracts to realize the beauty of English language and literature.

PSO1. Study and understand literature and language in detail.

PSO2. Develop integrated view about language and literature.

PSO3. Expose to the basics of short story as literary form.

PSO4. Familiarize with different types of short stories in English.

PSO5. Study technical aspects and the practical usage of advanced units of language.

PSO1. Acquaint and familiarize with the basic concepts in Drama.

PSO2. Encourage to make a detailed study of a few sample masterpieces of English Drama from different parts of the world.

PSO3. Develop interest to appreciate and analyze drama independently.

PSO4. To enhance awareness in the aesthetics of Drama.

PSO1. Acquaint and familiarize with the terminology in poetry criticism.

PSO2. Encourage to make a detailed study of a few sample masterpieces of English Poetry.

PSO3. Develop interest to appreciate and analyze the aesthetics of poetry and to empower them to read, appreciate and critically evaluate the poetry independently.

**Bachelor of  
Arts Third  
Year of  
Bachelor of  
Arts  
(T.Y.B.A.)**

PSO1. Familiarize with literary prose, poetry and grammar in English.

PSO2. Enable to learn the basics of communication.

PSO3. Inculcate soft skills.

PSO4. Train to think critically on the topics delivered

PSO1. Study some of the best samples of Indian English Poetry.

PSO2. Study the ethos and Indian culture in Indian English Poetry.

PSO3. Understand creative uses of language in Indian English Poetry.

PSO4. Study the advanced concepts in literature and language.

PSO5. Develop integrated view about language and literature.

PSO1. Introduce to the basics of novel.

PSO2. Study the historical development and nature of novel.

PSO3. Make aware of different types and aspects of novel.

PSO4. Develop literary sensibility and sense of cultural diversity.

PSO5. Study some of the best examples of novel.

PSO1. Introduce to the basics of literary criticism.

PSO2. Make them aware of the nature and historical development of criticism.

PSO3. Make them familiar with the significant critical approaches and terms.

PSO4. Encourage to interpret literary works in the light of the critical approaches.

PSO5. Develop aptitude for critical analysis of poems.

**Master of Arts  
M.A. Part- I**

PO1. Inculcate deep sense of aesthetics.

PSO1. Introduce to major movements in English Literature through the study of selected literary texts.

PO2. Create sense of critical appreciation of the literary texts.

PSO2. Create literary sensibility and emotional response to the literary texts and implant sense of appreciation of literary texts.

PO3. Practice various techniques of teaching of English language and literature.

PSO3. Expose to the artistic and innovative use of language employed by the writers.

PO4. Conduct systematic research and formulate research proposals.

PSO4. Instill values and develop human concern through exposure to literary texts.

PSO5. Enhance literary and linguistic competence.

PSO1. Introduce to major movements in English.

PSO2. Study literature through study of selected literary texts.

PSO3. Create literary sensibility to appreciate and expose them to artistic and innovative use of language by writers.

PSO4. Instill values and develop human concern through exposure to literary texts.

PSO5. Enhance literary and linguistic competence.

PSO1. Introduce to the basic tools essential for systematic study of language

PSO2. Acquaint with the basic concepts and issues in linguistics

PSO3. Introduce to various sub-disciplines of linguistics

PSO4. Initiate into theoretical perspectives and enable to apply the acquired linguistic skills in real life situations

PSO1. Introduce to the nature, function and relevance of literary criticism and theory

PSO2. Introduce to various important critical approaches and their tenets

PSO3. Deal with highly intellectual and radical content and thereby develop their logical thinking and analytical ability

PSO4. Develop sensibility and competence in them for practical application of critical approach to literary texts

PSO1. Introduce major movements in English Literature through the study of selected literary texts.

PSO2. Create literary sensibility and emotional response to the literary texts and implant sense of appreciation of literary texts.

PSO3. Expose to the artistic and innovative use of language employed by the writers.

PSO4. Instill values and develop human concern through exposure to literary texts.

PSO5. Enhance literary and linguistic competence.

PSO1. Introduce major movements in English.

PSO2. Literature through study of selected literary texts.

PSO3. Create literary sensibility to appreciate and expose them to artistic and innovative use of language by writers.

PSO4. Instill values and develop human concern through exposure to literary texts.

PSO5. Enhance literary and linguistic competence.



PSO1. Introduce the basic tools essential for systematic study of language

PSO2. Acquaint with the basic concepts and issues in linguistics

PSO3. Introduce various sub-disciplines of linguistics

PSO4. Initiate into theoretical perspectives and enable to apply the acquired linguistic skills in real life

PSO1. Introduce the nature, function and relevance of literary criticism and theory

PSO2. Introduce various important critical approaches and their tenets

PSO3. Deal with highly intellectual and radical content and thereby develop their logical thinking and analytical ability

PSO4. Develop sensibility and competence in them for practical application of critical approach to literary texts

PSO1. Introduce major movements in Indian Literature in English through the study of selected literary texts

PSO2. Create literary sensibility and emotional response to the literary texts and implant sense of appreciation of literary text

PSO3. Expose the artistic and innovative use of language employed by the writers

PSO4. Instill values and develop human concern in students through exposure to literary texts

PSO5. Enhance literary and linguistic competence of students

PSO1. Acquaint with different theoretical and practical aspects of language and literature teaching.

PSO2. Acquaint with different approaches, methods and techniques of teaching English language and literature.

PSO3. Sensitize to the major issues in English language and literature teaching in the Indian context

PSO1. Introduce major movements related to drama, works and dramatists through study of selected texts

PSO2. Create literary sensibility for appreciation and expose to artistic and innovative use of dramatic language.

PSO3. Imbibe values and develop human concern through exposure to literary texts

PSO4. Enhance literary and linguistic competence.

PSO1. Introduce the concept of research

PSO2. Understand the stages of research

PSO3. Familiarize the learners to the procedures involved in research

PSO4. Practice the use of various tools and techniques in research.

PSO5. Prepare for undertaking research.

PSO1. Introduce major movements in Indian Literature in English through the study of selected literary texts

PSO2. Create literary sensibility and emotional response to the literary texts and implant sense of appreciation of literary texts.

PSO3. Expose the artistic and innovative use of language employed by the writers

PSO4. Instill values and develop human concern in students through exposure to literary texts

PSO5. Enhance literary and linguistic competence of students

PSO1. Acquaint with different theoretical and practical aspects of language and literature teaching.

PSO2. Acquaint with different approaches, methods and techniques of teaching English language and literature.

PSO3. Sensitize to the major issues in English language and literature teaching in the Indian context

PSO1. Introduce major movements related to drama, works and dramatists through study of selected texts

PSO2. Create literary sensibility for appreciation and expose to artistic and innovative use of dramatic language.

PSO3. Imbibe values and develop human concern through exposure to literary texts

PSO4. Enhance literary and linguistic competence.

PSO1. Introduce the concept of research

PSO2. Understand the stages of research

PSO3. Familiarize the learners to the procedures involved in research

PSO4. Practice the use of various tools and techniques in research.

PSO5. Prepare for undertaking research.

**Commerce:**

Programme	Outcomes	Programme Specific Outcomes
<b>Bachelor of Commerce First Year of Bachelor of Commerce (F.Y.B.Com.)</b>		PSO1. Offer good pieces of prose and poetry so that they realize the beauty and communicative power of English

PSO2. Study native cultural experiences and situations to understand the importance and utility of English language  
 PSO3. Develop overall linguistic competence and communicative skills.  
 PSO4. Develop oral and written communicative skills.  
 PSO1. Study enlightening, entertaining and informative English to realize the beauty and communicative power of English.

PSO2. Make aware of the cultural values.  
 PSO3. Develop literary sensibilities and communicative abilities.

**Science:**

Programme	Outcomes	Programme Specific Outcomes
<b>Bachelor of Science            Second Year of Bachelor of Science            (S.Y.B.Sc.)</b>		<p>PSO1.Familiarize with literary prose, poetry, basics of grammar, vocabulary and communication skills in English.</p> <p>PSO2.Train to use English language for practical purposes.</p> <p>PSO3. Inculcate various flavours of language and literature.            PSO4. Study the literary extracts to realize the beauty of English language and literature.</p>

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**Course Outcomes**

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Compulsory English:

(Text- Visionary Gleam)

(Course Code-1017)

CO1.Familiarized with masterpieces in prose, poetry and short stories in English.

CO2. Practiced English language for analyzing, writing and communicating in English

CO3. Generated interest in studying English grammar.

CO4. Studied old and new literary extracts for the advancements of knowledge in English language and literature.

Optional English General Paper-1:

(Text- Interface)

(Course Code-1337)

CO1.Familiarized with extracts from masterpieces in prose, poetry, one-act play and short stories in English.

CO2. Enjoyed various flavours of language and literature

CO3.Studied applications of figures of speeches in daily life

CO4. Practiced writing various literary pieces in annual magazine 'Mai'

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Compulsory English:

(Text- Literary Landscapes)

(Course Code-2017)

CO1.Familiarized students with masterpieces in prose, poetry and short stories in English.

CO2.Practiced English language for reading, writing and communicating in English

CO3.Generated interest in studying English language and literature.

CO4.Studied old and new literary extracts for the advancements of knowledge in English language and literature.

English General Paper- II  
(Study of English Language and Literature)

(Course Code-2337)

CO1.Studied the literary devices, phonology, morphology and socio linguistics.

CO2. Studied the basics of phonology, morphology and sociolinguistic elements.

CO3.Developed literary and linguistic competence.

CO4. Realized the various flavours of short stories in English.

English Special Paper- I

(Appreciating Drama)

(Course Code-2338)

CO1.Acquainted with basic elements, theory and types of drama.

CO2.Studied selected masterpieces in English and Indian drama.

CO3.Appreciated drama in the light of various theories.

CO4.Studied the aesthetics of drama.

English Special Paper- II

(Appreciating Poetry)

(Course Code-2339)

CO1. Acquainted with basic elements, theory, types and ages of Poetry.

CO2. Studied selected masterpieces in Poetry

CO3. Realized the aesthetics in poetry.

CO4.Appreciated poetry independently.

Compulsory English:  
(Text- Literary Pinnacles)  
(Course Code-3017)

CO1. Familiarized students with masterpieces in prose, poetry and short stories in English.

CO2. Learned communication techniques.

CO3. Studied grammar and its usage.

CO4. Inculcated soft skills and their applications in the real world.

CO5. Trained to analyse the course content.

English General Paper- III  
(Advanced Study of English  
Language and Literature) (Course

CO1. Studied masterpieces in Indian English Poetry.

CO2. Studied the Indianness through culture, traditions and ethos presented in poetry.

CO3. Understood the creativity and word power in Indian English Poetry.

CO4. Practiced grammar, semantics and pragmatics with various

English Special Paper- III  
(Appreciating Novel)  
(Course Code-3338)

CO1. Studied theory, elements and types of novel.

CO2. Studied the development of English and Indian novel.

CO3. Studied various types and aspects of novel.

CO4. Developed literary sensibility and understood cultural diversity.

CO5. Studied English and Indian culture through masterpieces.



English Special Paper- IV  
(Introduction to Literary Criticism)  
(Course Code-3339)

CO1. Studied theory, types and functions of criticism.

CO2. Understood the development, phases and various schools of criticism.

CO3. Studied various approaches to criticism.

CO4. Developed critical attitude and sensibility.

CO5. Practiced criticism on unseen poetry.

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Paper – 1.1: English Literature from 1550-1798 (Sem-I)  
(Course Code-10691)

CO1. Studied classical, neo-classical and metaphysical literature with its literary background

CO2. Familiarized with the classical, neo-classical and metaphysical language and its flavours.

CO3. Understood selected sonnets, poems, revenge tragedy and picaresque novel.

CO4. Developed humanism through literary studies.

CO5. Enhanced literary and linguistic competence of students in classical, neo-classical and metaphysical literature.

Paper – 1.2: English Literature from 1798-2000 (Sem-I)  
(Course Code- 10692)

CO1. Studied Romantic, Victorian and Modern literature with its literary background.

CO2. Familiarized with the Romantic, Victorian and Modern language and its flavours.

CO3. Understood selected poems, novel and play.

CO4. Developed humanism through literary studies.

CO5. Enhanced literary and linguistic competence of students in Romantic, Victorian and Modern literature.

Paper – 1.3: Contemporary Studies in English Language (Sem-I)  
(Course Code- 10693)

CO1. Studied structuralist views and contemporary views on language.

CO2. Acquainted with phonology, morphology and syntax of the English language.

CO3. Studied systematic and generative theory of grammar.

CO4. Applied stress, tone and intonation pattern in day to day life.

Paper – 1.4: Literary Criticism and Theory (Sem-I)  
(Course Code- 10694)

CO1. Understood background survey of criticism and tenets of critical approaches.

CO2. Studied classical, neo-classical, romantic, victorian, modern and new criticism critical essays in English.

CO3. Developed logical thinking in context of the essays prescribed.

CO4. Applied critical approaches to the literary texts.

Paper – 2.1: English Literature from 1550-1798 (Sem-II)

(Course Code-20691)

CO1. Studied classical, neo-classical and metaphysical literature with its literary background

CO2. Familiarized with the classical, neo-classical and metaphysical language and its flavours.

CO3. Understood selected texts and familiarized with course content.

CO4. Developed literary test.

CO5. Enhanced literary and linguistic competence of students in classical, neo-classical and metaphysical literature.

Paper – 2.2: English Literature from 1798-2000 (Sem-II)

(Course Code- 20692)

CO1. Studied Romantic, Victorian and Modern literature with its literary background.

CO2. Familiarized with the Romantic, Victorian and Modern language and its flavours.

CO3. Understood selected poems, novel and play.

CO4. Developed humanism through literary studies.

CO5. Enhanced literary and linguistic competence of students in Romantic, Victorian and Modern literature.

Paper – 2.3: Contemporary Studies in English Language (Sem-II)

(Course Code- 20693)

CO1. Studied contemporary views on language.

CO2. Acquainted with sociolinguistics, syntax, semantics, speech act theory and discourse analysis of the English language.

CO3. Applied speech act theory and discourse analysis in day to day life.

Paper – 2.4: Literary Criticism and Theory (Sem-II)

(Course Code- 20694)

CO1. Understood modern critical approaches.

CO2. Studied essays in Post-structuralism, Psychoanalysis, Reader Response Criticism, Marxist Criticism, Cultural Studies, Digital Humanities, Feminist Criticism, Post-colonialism in English.

CO3. Developed logical thinking in context of the essays prescribed.

CO4. Applied critical approaches to the literary texts.

Paper 3.1: Indian Writing in English- Core Paper (Sem-III) (Course Code- 30691)

CO1. Studied the background of Indian English literature.

CO2. Studied classical Indian English Poetry and recent novel.

CO3. Understood Indian culture and literary heritage.

CO4. Enhanced literary and linguistic competence in Indian English literature.

Paper 3.2: English Language and Literature Teaching- Elective Paper (Sem-III)

Course Code (30692)

CO1. Studied the theory of language learning.

CO2. Studied English in India in sociolinguistic perspective.

CO3. Practiced tools and methods of teaching.

CO4. Practiced language skills and testing.

Paper 3.4: Drama in English- Elective Paper (Sem-III)

Course Code (30694)

CO1. Understood the theory and art of the drama.

CO2. Studied selected classical and neo- classical drama.

CO3. Studied major classical and neo-classical tragedy with its literary taste.

CO4. Developed artistic views about drama.

Paper- 3. 9: Research Methodology-  
Elective Paper (Sem-III)

Course Code (30699)

CO1. Introduced the fundamentals of the research.

CO2. Studied the research process in language and literature.

CO3. Studied the statistical, sampling, applied, case study, survey and interpretative methods in research.

CO4. Practiced evaluation method.

Paper 4.1: Indian Writing in English-  
Core Paper (Sem-IV)

(Course Code- 40691) CO1.

Studied the background of modern Indian English literature.

CO2. Studied modern Indian English Poetry and play.

CO3. Understood Indian culture and literary heritage.

CO4. Enhanced literary and linguistic competence in Indian English literature.

Paper 4.2: English Language and  
Literature Teaching- Elective Paper  
(Sem-IV)

Course Code (40692)

CO1. Learned the study skills to be imbibed in learner.

CO2. Studied the relationship between language and literature teaching.

CO3. Applied stylistic approach to the teaching of literature.

CO4. Practiced teaching of poetry, drama, one act play, fiction and essay

Paper 4.4: Drama in English- Elective Paper (Sem-IV)

Course Code (40694) CO1.

Studied selected texts from modern drama.

CO2. Studied the stylistic features of the authors of texts prescribed.

CO3. Encouraged students to read the texts to enjoy the literary taste.

CO4. Developed critical view while studying drama.

Paper- 4. 9: Research Methodology- Elective Paper(Sem-IV)

Course Code (40699)

CO1. Studied the steps while conducting research.

CO2. Imbided presentation of research.

CO3. Trained for data collection and analysis.

CO4. Studied the role of computer and internet while conducting research.

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### **Course Outcomes**

Compulsory English:

(Text- A Pathway to Success)

(Course Code-1113)

CO1.Familiarized with masterpieces in prose and poetry in English language.

CO2. Practiced English language for communicating in English

CO3. Used English for various practical purposes.

CO4. Generated interest in studying English language and literature.

Additional English:

(Text- Gems of English Prose and Poetry)

(Course Code-1513)

CO1. Studied the selected extracts from prose and poetry.

CO2. Motivated students to learn analyzing prose and poetry.

CO3. Developed literary sensibilities and art of criticizing literature.

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### **Course Outcomes**

English: (Text- Literary Vistas)

(Course Code-83011- First Sem.)

(Course Code-83012- Second Sem.)

CO1. Studied masterpieces in prose and poetry in English language.

CO2. Practiced English language for enriching communicative competence in English.

CO3. Enriched vocabulary through various exercises.

CO4. Enriched written skills in English.

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### Department of Geography

Programme	Programme Outcomes	Programme Specific Outcomes
<b>Bachelor of Arts First Year of Bachelor of Arts (F.Y.B.A.)</b>		<p>PSO1. Offered the opportunities for the personality development through increased self-knowledge, an examined and evolving set of values, and an appreciation for active citizenship</p> <p>PSO2. Fostered excellence in critical reading, thinking and writing</p>
<b>Bachelor of Arts Second Year of Bachelor of Arts (S.Y.B.A.)</b>		<p>PSO1. Realize scope, importance, need and details of Geography</p> <p>PSO1. Share experiences and innovative practices in Geography.</p> <p>PSO1. Acquaint various applications of Geography.</p> <p>PSO1. Imbibe environmental awareness and concern.</p> <p>PSO2. Study the structure and function of eco-system.</p> <p>PSO3. Learn various types of pollutions i.e. land, air and water, their impact and solutions.</p>

	<p>PSO4. Find out the remedies to overcome the various pollution types.</p>
<p><b>Bachelor of Arts Third Year of Bachelor of Arts (T.Y.B.A.)</b></p>	<p>PSO1. Study physical, economic and cultural Geography of the nation and the world.</p> <p>PSO2. Acquaint the nature and management of disasters.</p> <p>PSO1. Imparting sense of process of evolution of the world in the universe</p> <p>PSO1. Facilitate career opportunities in Geography.</p>

### **Course Outcomes**

5. Geography General Paper- I.  
(Name of the Paper) Elements of  
Geomorphology:  
(Course Code-Gg-110)

CO1. Understood vertical and  
horizontal structure and changes in  
land and their impact on human life.  
CO2. To study the application of Land  
uses

1. Geography General Paper- II  
(Name of the Paper) Climatology and  
Oceanography  
(Course Code- 2207)

CO1. Understood vertical and  
horizontal structure and changes in  
atmosphere, oceans and land and their  
impact on life.

2. Geography Special Paper- I (Name  
of the Paper): Tourism Geography  
(Course Code- 2208 ) CO1.

Acquired skills related to travel,  
tourism and hospitality management.

CO2. Imbibe importance of  
environment and its sustainability in  
various Tourist center.

3. Geography Special Paper- II  
(Name of the Paper) Fundamental of  
Geographical Analysis  
(Course Code- 2209 )

CO1. Practiced various advanced  
cartographic techniques.

CO2. Trained to practice various  
surveying methods.

4. A Course in Environmental  
Awareness (Course Code- 2777)

CO1. Imbibe importance of  
environment and its sustainability.

CO2. Understood the importance of  
eco system.

CO3. Learned the impact of pollution  
and its causes and effects.

CO4. Stress and implement the remedies over pollution.  
CO5. Created affinity and oneness towards Nature.

1. Geography General Paper- III  
(Name of the Paper) Regional  
Geography of India  
(Course Code-3207 )

CO1. Learned various physical features like waterbodies, Types of soil Types of Vegetation

CO2. Regional Approach

CO3. Ecological Conservation

CO4. Regional Planning in india

2. Geography Special Paper- III

(Name of the Paper) Agriculture  
Geography (Course  
Code- 3208 ) CO1.

Learned various crop patterns, soil analysis and commercial skills.

3. Geography Special Paper- IV

(Name of the Paper) Techniques of spatial analysis

(Course Code- 3209) CO1.

Applied the topographic features for land usage.

CO2. Trained to practice various surveying methods.

CO3. Trained to practice statistical analysis for sampling various types of data.

CO4. Trained for data analysis and knowing weather forecasting.

**Department of Hindi**

<b>Programme</b>	<b>Outcomes</b>	<b>Programme Specific Outcomes</b>
<b>Bachelor of Arts First Year of Bachelor of Arts (F.Y.B.A.)</b>	PO1. Foster excellence in critical approach towards reading, writing, analyzing and thinking.	PSO1. Familiarize with Hindi stories, poetry, written skills in Hindi.
	PO2. Encourage interdisciplinary approaches to learning.	PSO2. Train to use Hindi language for practical purposes.
	PO3. Offer the opportunities for the personality development through clear understanding of self, imbibing values and humanity for active citizenship.	PSO3. Inculcate various flavours of Hindi language and literature.
	PO4. Motivate for community involvement.	PSO4. Expose to a good blend of old and new literary extracts to realize the beauty of Hindi language and literature.
	PO5. Provide innovative courses and curriculum in response to intellectual, social and professional needs for career building.	
	PO6. Promote soft skills among students.	
<b>Bachelor of Arts Second Year of Bachelor of Arts (S.Y.B.A.)</b>		PSO1. Familiarize with literary prose, poetry in Hindi.
		PSO2. Train to use Hindi language for advertising and report writing purposes.
		PSO3. Inculcate various flavours of language and literature among students.
		PSO4. Expose to a good blend of old and new literary extracts to realize the beauty of Hindi language and literature.
		PSO1. Study and understand the development of Hindi language in detail.

PSO2. Familiarize grammar and linguistics.  
PSO3. Familiarize with different types of dialects of Hindi.

PSO1. Acquaint and familiarize with the basic concepts in Novel, Drama & Medieval Hindi Poetry.

PSO2. Encourage to make a detailed study of a few masterpieces in Hindi.

PSO3. Develop interest to appreciate and analyze literature independently.

PSO4. To enhance awareness in the aesthetics of literature.

**Bachelor of Arts  
Third Year of  
Bachelor of Arts  
(T.Y.B.A.)**

PSO1. Familiarize with autobiographies and classical poetic drama in Hindi.

PSO2. Enable to learn the basics knowledge of autobiographies and classical poetic drama in Hindi.  
PSO3. Inculcate literariness.

PSO1. Introduce to the history of Hindi Literature.

PSO2. Study the historical development and nature of Hindi Literature.  
PSO3. Study of different periods of Hindi Literature.  
PSO4. Study various writers in Hindi.

PSO5. Study some of the best examples of Hindi Literature.

PSO1. Introduce to the basics of Hindi poetry.

PSO2. Understand the historical development of Kavyashastra.  
PSO3. Familiarize Hindi Prose such as essay, drama and one act play.  
PSO4. Encourage to interpret literary works in the light of the critical approaches.  
PSO5. Study figure of speeches, meter and flavours of literature.

**Master of Arts**  
**M.A. Part- I**

PSO1. Introduce to major movements in medieval Poetry of Hindi.

PSO2. Create literary sensibility and emotional response to the literary texts and implant sense of appreciation of literary texts.  
PSO3. Expose to the artistic and innovative use of language employed by the medieval poets.  
PSO4. Instill values and human concern through medieval Hindi poetry.

PSO1. Introduce to major movements in Hindi prose.

PSO2. Study literature through study of selected literary texts.

PSO3. Create literary sensibility to appreciate and expose them to artistic and innovative use of language by writers.

PSO4. Instill values and human concern through exposure to literary texts.

PSO1. Introduce to the various critics in Hindi.

PSO2. Acquainted with the relations of sahitya and sahityashastra.

PSO3. Develop critical attitude.

PSO4. Initiate into theoretical perspectives and enable to apply criticism.

PSO1. Introduce Indian social structure at Bhaktikaal.

PSO2. Introduce Kabir and his art.

PSO3. Develop ability to think about Kabir's Poetry.

PSO4. Develop sensibility and competence to understand Kabir's Poetry.

PSO1. Introduce major works of Hindi Literature in medieval poetry.



PSO2. Create literary sensibility and emotional response to the literary texts and implant sense of appreciation of literary texts.

PSO3. Study madhyakal and social condition.

PSO4. Instill values and develop human concern through exposure to literary texts.

PSO1. Introduce Hindi essays and play.

PSO2. Understood literature through study of selected literary texts.

PSO3. Create literary sensibility through selected play.

PSO4. Introduce Indian culture and life style through essays.

PSO1. Introduce the western critics.

PSO2. Acquaint with the basic concepts and issues in western criticism.

PSO3. Develop critical attitude through western criticism.

PSO4. Initiate into theoretical perspectives and enable to apply western critical theories.

PSO1. Introduce the nature, function and relevance of prayojanmulak Hindi.

PSO2. Introduce various advertisement writing and official letter writing in Hindi.

PSO3. Develop translation skills.

PSO4. Study the role of computer and internet with its usage in various fields.

PSO1. Introduce major movements in Indian Literature in Hindi through the study of selected literary texts.

PSO2. Create literary sensibility and emotional response to the literary texts and implant sense of appreciation of literary text.

PSO3. Expose the artistic and innovative use of language in Hindi.

PSO4. Develop literary and linguistic competence in Hindi.

PSO1. Study the literary devices, phonology, morphology and socio linguistics.

CO2. Study the basics of phonology, morphology and sociolinguistic elements.

CO3. Develop linguistic competence.

CO4. Practice phonology in Hindi in day to day life.

PSO1. Introduce major movements related to literature, works and dramatists through study of selected texts.

PSO2. Create literary sensibility for appreciation and expose to artistic and innovative use of literature.

PSO3. Imbibe values and develop human concern through exposure to literary texts.

PSO4. Enhance artistic views about literature.

PSO1. Introduce importance of translation.

PSO2. Understand the various forms, types and processes of translation.

PSO3. Enable the learners to simplify the translation.

PSO4. Practice the use of various tools and techniques of translation.

PSO1. Introduce major movements in modern Indian Hindi Poetry through the study of selected literary texts.

PSO2. Create literary sensibility and emotional response to the literary texts and implant sense of appreciation of literary text.

PSO3. Expose the artistic and innovative use of language employed by the writers.

PSO4. Instill values and develop human concern in students through exposure to literary Texts.

PSO1. Acquaint with development of Hindi language.

PSO2. Study the evolution of Hindi and its various forms, script and grammar.

PSO3. Study of the linguistic movements in Hindi.

PSO1. Acquaint with development of Hindi literature.

PSO2. Study the emergence of Hindi literature and its various forms.

PSO3. Study of the literary movements in Hindi.

PSO1. Introduce the concept of Hindi literature.

PSO2. Study the translated Hindi literature.

PSO3. Familiarize the learners to various socio- cultural backgrounds of the texts translated.

PSO4. Study the various flavours of translated Hindi Literature.

**Commerce:**

<b>Programme</b>	<b>Outcomes</b>	<b>Programme Specific Outcomes</b>
<b>Bachelor of Commerce First Year of Bachelor of Commerce (F.Y.B.Com.)</b>		<p>PSO1. Offer good pieces of prose and poetry so that they realize the beauty and power of Hindi.</p> <p>PSO2. Study native cultural experiences and situations to understand the importance and utility of Hindi language.</p> <p>PSO3. Develop overall linguistic competence and communicative skills.</p> <p>PSO4. Develop oral and written communicative skills.</p>

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**Course Outcomes**

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Hindi General Paper- I

(Text- Gadya Vaibhav, Kavya Sarita)

(Course Code-1097)

CO1.Familiarized with masterpieces

CO2. Practiced Hindi language for analyzing, writing and communicating in Hindi.

CO3. Generated interest in studying Hindi language and literature.

CO4. Studied old and new literary extracts for the advancements of knowledge in Hindi language and literature.

Hindi General Paper: II Story, Poetry & Writing

(Text: Katha Dhara, Kavyayan)

(Course Code-2097)

CO1.Familiarized students with masterpieces in prose, poetry and short stories in Hindi.

CO2.Practised report writing and advertising.

CO3.Generated interest in studying Hindi language and literature.

Hindi Special Paper- I

Hindi Bhasha Ka Vikas

(Course Code-2098)

CO1. Studied the growth of Hindi in modern world.

CO2. Studied script, punctuation marks and rules of grammar in Hindi.

CO3. Studied various dialects of Hindi.

CO4. Developed linguistic competence.

CO4. Studied Devnagari font in Hindi language.

Hindi Special Paper- II

Novel, Drama & Medieval Hindi Poetry

(Course Code-2099)

Text: Samudra me Khoya Hua

Aadmi, Yuge-Yuge Kranti,

Madhyayugin Hindi Kavya

CO1. Acquainted with basic elements, theory and types of novel.

CO2. Studied selected masterpieces in Hindi and Indian drama.

CO3. Criticized novel drama & medieval Hindi poetry in the light of various theories.

CO4. Studied the aesthetics of Hindi literature.

Hind General Paper: III

(Text- Srijan, Sandarbh aur Main-Atmakatha, Ek Kanth Vishpayi)

(Course Code-3097)

CO1. Familiarized with masterpieces in autobiographies and classical poetic drama in Hindi.

CO2. Studied the socio- cultural background of selected autobiographies.

CO3. Inculcated journalism skills and their applications.

CO4. Trained to translate English words into Hindi language.

Hindi Special Paper- III

(History of Hindi Literature)

(Course Code-3098)

CO1. Studied theory, elements of Hindi Literature.

CO2. Studied the development of Hindi Literature.

CO3. Studied various periods of Hindi Literature. i.e. Aadikal, Bhaktikal, Ritikaal, Aadhunikkaal.

CO4. Studied writers like Chandbardai, Kabir, Keshavdas and Premachand.

CO5. Studied Hindi culture.

Hindi Special Paper- IV

(Kavyashastra)

(Course Code-3099)

CO1. Studied types of Hindi Poetry

CO2. Understood the development of poetry.

CO3. Studied Hindi Prose such as essay, drama and one act play.

CO4. Developed critical attitude and sensibility.

CO5. Practiced figure of speeches, meter and flavours of literature.

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Paper – 1: Prachin aur Madhyayugin Kavya (Sem-I)

Text: Amir Khusro aur Unka Hindi Sahitya, Padmavat

(Course Code-10591) CO1. Studied old and medieval Poetry of Hindi.

CO2. Familiarized with the old and medieval Hindi language.

CO3. Understood aadikal and madhyakal of Hindi Poetry.

CO4. Developed critical attitude through old and medieval Poetry of Hindi.

Paper – 2: Adhunik Hindi Katha  
Sahitya- Upanyas aur Kahani (Sem-I)  
Text- Hindi ki Shreshth Kahaniyan,  
Kalikatha- via Bypass  
(Course Code- 10592)

CO1. Studied types of Hindi prose.  
CO2. Familiarized with the various  
prose such as novels and stories in  
Hindi.  
CO3. Understood selected novel and  
stories.

CO4. Developed humanism through  
literary studies.

Paper – 3: Bhartiya Sahityashastra  
(Sem-I)  
(Course Code- 10593)

CO1. Studied the various critics in  
Hindi.  
CO2. Acquainted with the relations of  
sahitya and sahyashastra.  
CO3. Developed critical ability.  
CO4. Applied critical theories to  
selected works.

Paper – 4: Kabir (Sem-I) Text-  
Kabir Granthavali (Course  
Code- 10594) CO1.  
Understood Bhaktikaal and social  
milieu.

CO2. Studied language of Kabir-  
'Sadhukkadi'.  
CO3. Understood Kabir's poetry and  
its various flavours.  
CO4. Understood the personality and  
thoughts of Kabir.

Paper – 5: Medieval Hindi Poetry  
(Sem-II)  
(Course Code-20591)

CO1. Studied medieval Poetry of  
Surdas, Bihari and Bhushan.



CO2. Familiarized with the medieval Hindi language and literature.

CO3. Understood madhyakal and social condition.

CO4. Developed critical attitude through medieval Poetry of Hindi.

Paper – 6: Adhunik Hindi Natak aur Nibandh (Sem-II)

(Course Code- 20592)

CO1. Studied selected Hindi essays and play.

CO2. Developed critical attitude and sensibility.

CO3. Developed literariness and artistic nature through literary studies.

CO5. Studied Hindi culture through masterpieces.

Paper – 7: Pashchatya Sahityashastra (Sem-II)

(Course Code- 20593)

CO1. Studied Plato, Aristotle, I. A. Richards and T. S. Eliot.

CO2. Acquainted with the critical concepts in western criticism.

CO3. Applied critical theories to the selected texts.

Paper – 8: Prayojanmulak Hindi (Sem-II)

(Course Code- 20596)

CO1. Understood various skills in prayojanmulak Hindi.

CO2. Practiced advertisement writing and official letter writing in Hindi.

CO3. Developed translation skill in Hindi.

CO4. Applied computer and interest in prayojanmulak Hindi.

Paper 9: Adhunik Kavya-1  
Mahakavya & Khand-kavya (Sem-III)  
(Course Code- 30591)

CO1. Studied the background of Indian Hindi literature.

CO2. Studied classical and modern Indian Hindi Poetry and its appreciation.

CO3. Understood various flavours of Hindi language.

CO4. Enhanced literary and linguistic competence in Indian Hindi literature.

Paper 10: Bhasha Vigyan(Sem-III)  
Course Code (30592)

CO1. Studied the theory of language learning.

CO2. Studied literary devices, phonology, morphology and socio linguistics.

CO3. Developed linguistic skills related to Hindi.

CO4. Practiced phonetics in day to day life.

Paper 11: Hindi Sahitya ka Itihas  
(Adikal, Bhaktikal, Ritikal) (Sem-III)  
Course Code (30593)

CO1. Understood the history of Hindi literature.

CO2. Studied selected texts from each period.

CO3. Studied selected poets of Adikal, Bhaktikal & Ritikal such as Vidyapati, Raidas, Dadu, Nanak, Tulsidas, Ras Khan, Meerabai etc.

CO4. Developed artistic views about literature.

Paper- 12: Anuvad Vigyan(Sem-III)  
Course Code (30595)

CO1. Introduced the importance of translation.

CO2. Studied the various forms, types and processes of translation.

CO3. Studied various difficulties while translating.

CO4. Practiced translation methods.

Paper 13: Adhunik Kavya-2 (Kuvar Narayan tatha Nai Kavita) (Sem-IV)  
(Course Code- 40591)

CO1. Studied the background of modern Indian Hindi Poetry

CO2. Studied selected poets and their works such as Leeladhar Jagudi, Uday Prakash, Katyayani and Damodar More.

CO3. Understood Indian culture and literary heritage.

CO4. Enhanced literary and linguistic competence in Indian Hindi Poetry.

Paper 14: Hindi Bhasha ka Aitihāsik Vikas(Sem-IV)

Course Code (40592)

CO1. Studied the stages of the development of Hindi .

CO2. Studied the progress of Hindi and its various forms, script and grammar.

CO3. Studied the role of Kashi Nagri Sabha, Varanasi, Rashtra Bhasha Sabha, Pune in the development of Hindi.

Paper 15: Hindi Sahitya Ka Itihas (Adhunik Kal) (Sem-IV)

Course Code (40593)

CO1. Studied the stages of the development of Hindi literature.

CO2. Studied the progress of Hindi novel, drama and essay, one – act play and autobiography.

CO3. Studied the role of Bharatendu Yug and Dwedi Yug in the development of Hindi literature.

Paper- 16: Bhartiya Sahitya (Sem-IV)

Course Code (40594)

CO1. Studied Hindi literature and its background.

CO2. Studied selected translated texts in Hindi such as Baromas, Nagmandal and Khana Badosh.

CO3. Studied the features of translated Hindi literature.

CO4. Appreciated the translated texts.

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**Course Outcomes**

Hindi General Paper- I (Text-Gadya Parimal, Padya Parimal)  
(Course Code-1543)

CO1.Familiarized with masterpieces in prose and poetry in Hindi language.

CO2.Practiced Hindi language for communicating in Hindi.

CO3. Used Hindi for various practical purposes.

CO4.Generated interest in studying Hindi language and literature.

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**Department of History**

<b>Programme</b>	<b>Programme outcomes</b>	<b>Programme Specific Outcomes</b>
<b>Bachelor of Arts First Year of Bachelor of Arts (F.Y.B.A.)</b>	PO1. Foster excellence in critical approach towards reading, writing, analyzing and thinking.	PSO-1. Introduce historical concepts, study techniques in the study of history of Marathas to make it value based, conceptual and thought provocative.
	PO2. Encourage interdisciplinary approaches to learning.	PSO-2. To understand Socio-economic, cultural and political background of 17 <sup>th</sup> century Maharashtra .
	PO3. Offer the opportunities for the personality development through clear understanding of self, imbibing values and humanity for active	PSO-3. To increase the spirit of healthy Nationalism and Secularism among the student.
	PO4. Motivate for community involvement.	
	PO5. Provide innovative courses and curriculum in response to intellectual, social and professional needs for career building.	
	PO6. Promote soft skills among students.	
<b>Bachelor of Arts Second Year of Bachelor of Arts (S.Y.B.A.)</b>		PSO-1. The student to know –History of freedom movement of india, aims, objectives problem and progress of Independent india.
		PSO-2. It aims at enabling the student to understand the processes of rise of modern india.
		PSO-3. To Explain the basic concepts/concerns/frame work of Indian History. POS-1. To Survey the sources of History of the Ancient India

	<p>POS-2.The Course intends to provide an understanding of the social,economic,religious and institutional bases of Ancient India</p> <p>POS-3.The course will study such as agriculture,Industry,trade.</p> <p>POS-4.To study the development of the concept of Nation-State background of political history.</p> <p>POS-1.To Survey the sources of History of the medieval India</p> <p>POS-2.The Course intends to provide an understanding of the social,economic,religious bases of Medieval India</p> <p>POS-3.To study medieval Indian art and architecture.</p>
<p><b>Bachelor of Arts Third Year of Bachelor of Arts (T.Y.B.A.)</b></p>	<p>PSO-1.To help the student to know Modern World.</p> <p>PSO-2.To orient the students with political history of Modern World.</p> <p>PSO-3.Impart knowledge about world concept.</p> <p>PSO-4.To enable students to understand the economic transition in world during the 20<sup>th</sup> Century.</p> <p>PSO-1.To orient students about how history is studied, written and understood.</p> <p>PSO-2.To explain methods and tools of data collection.</p> <p>PSO-3.To study the Various Views of Historiography.</p> <p>PSO-4.To introduce student to the basics of research.</p>

PSO-1.To orient the students with political history of Asia.

PSO-2.To enable students to understand the economic transition in Asia during 20<sup>th</sup> centuries.

PSO-3.Understand the important development in the 20<sup>th</sup> century Asia in a Thematic approach.

PSO-4.To empower students to cope with the challenge of globalization.

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**Course Outcomes**

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History General Paper- I (Chh. Shivaji and His Times 1630-1707)

(Course Code- 1077)

CO1. Knowledge of historical concepts, study techniques in the study of history of Marathas to make it value based, conceptual and thought provocative.

CO2. Understood the Socio-economic, cultural and political background of 17<sup>th</sup> century Maharashtra .

CO3. Imbibe nationalism through recognition of the cultural heritage and glorious traditions of Maharashtra and India and their exploitation for innovation.

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History General Paper- II (Modern India- 1857-1950)

(Course Code- 2077)

CO-1. Understood the History of freedom movement of india, aims, objectives problem and progress of Independent india.

CO-2. Understood the processes of rise of modern india.

CO-3. Understood the concepts/concerns/frame work of Indian History.

History Special Paper- I (Ancient India- 3000 B.C. to 1260 A.D.)

(Course Code- 2078)

CO-1. Understood the sources of History of the Ancient India



CO-2. understood of the social, economic, religious and institutional bases of Ancient India

CO-3. Studied such as agriculture, Industry, trade.

CO4-. Understood the development of the concept of Nation-State background of political history.

History Special Paper- II (Medieval India-1206-1707)

(Course Code- 2079)

CO-1. sources of History of the medieval India

CO-2. Understood the social, economic, religious bases of Medieval India

CO-3 . Understood the medieval Indian art and architecture.

History General Paper- III (History of the World in 20th Century-1914-1992)

(Course Code- 3077)

CO-

1. Knowledge of inception of Modern World History

CO-2. Understood the political history of Modern World

CO-3. Knowledge of inception about world concept.

CO-4. Understood the economic transition in world during the 20<sup>th</sup> Century.

History Special Paper- III

(Introduction to History.)

(Course Code- 3078)

Co-1. Understood the about how history is studied, written and understood.

CO-2. Explained methods and tools of data collection.

CO-3. Stimulated innovation through various historical experiences and sharing.

CO-4. Knowledge of inception of History and its. basics of research.

History Special Paper- IV (History of Asia in the 20th Century-1914-1992)  
(Course Code- 3079)

CO-1. Knowledge of political history of Asia.

CO-2. Understood the economic transition in Asia during 20<sup>th</sup> centuries.

CO-3. Understood the important development in the 20<sup>th</sup> century Asia in a Thematic approach.

CO-4. Understood the students to cope with the challenge of globalization.

**Department of Marathi**

Programme	Programme outcomes	Programme Specific Outcomes
<p><b>Bachelor of Arts First Year of Bachelor of Arts (F.Y.B.A.)</b></p>	<p>PO1. Foster excellence in critical approach towards reading, writing, analyzing and thinking.</p> <p>PO2. Encourage interdisciplinary approaches to learning.</p> <p>PO3. Offer the opportunities for the personality development through clear understanding of self, imbibing values and humanity for active citizenship.</p> <p>PO4. Motivate for community involvement.</p> <p>PO5. Provide innovative courses and curriculum in response to intellectual, social and professional needs for career building.</p> <p>PO6. Promote soft skills among students.</p>	<p>PSO1. Introduce Marathi literature, language and culture.</p> <p>PSO2. Expose students to creative writing such as writing of poetry.</p> <p>PSO3. To Develop interest in Marathi Literature</p> <p>PSO4. Personality development in the Students</p>
<p><b>Bachelor of Arts Second Year of Bachelor of Arts (S.Y.B.A.)</b></p>		<p>PSO1. To Introduce Correct Marathi Writing</p> <p>PSO2 To Introduce Subject related Concepts</p> <p>PSO3 To Know various forms of Marathi literature such as biography and autobiography.</p> <p>PSO4. Enable students for the applications of Marathi through letter writing</p> <p>PSO1. Know various forms of Marathi literature such as drama &amp; novel.</p> <p>PSO2. Develop keen interest in study of literature.</p> <p>PSO3. Develop the vision of evaluation of literature.</p>

**Bachelor of Arts  
Third Year of  
Bachelor of Arts  
(T.Y.B.A.)**

PSO4. Imbibe humanism through literature.  
PSO1. Know the historical tradition of Marathi Literature

PSO2. Know the inspirations and attitudes of Marathi Literature  
PSO3. Know the development of Marathi Literature  
PSO4. Know the social, political and cultural background of Marathi Literature

PSO1. Introduce various forms of literature.

PSO2. Study the tradition of literature.  
PSO3. Use the language appropriately.  
PSO4. Imbibe reading and writing skills for the analysis of the literature.  
PSO1. Introduce the structure of literature

PSO2. Understand the purpose of literature  
PSO3 Understood the purpose of literature  
PSO4. Inculcate the values through literature  
PSO1. Study and understand the structure, function and importance of language

	<p>PSO2. Know the phonology of Marathi language.</p> <p>PSO3. Practice phonology in day to day life.</p> <p>PSO4. Study technical aspects and the practical usage of advanced units of language</p>
<p><b>Bachelor of Commerce</b>  <b>First Year of Bachelor of Commerce</b>  <b>(F.Y.B.Com.)</b></p>	<p>PSO1. Study Marathi language used in various fields.</p> <p>PSO2. Familiarize with literary prose, basics of grammar and communication skills in Marathi</p> <p>PSO3. Train to use Marathi language for practical purposes</p> <p>PSO4. Study various writing skills for media.</p>
<p><b>Bachelor of Science</b>  <b>Second Year of Bachelor of Science</b>  <b>(S.Y.B.Sc.)</b></p>	<p>PSO1. Develop interest in Marathi literature.</p> <p>PSO2. Familiarize with literary prose and communication skills in Marathi</p> <p>PSO3. Train to use language skills in media</p> <p>PSO4. Study translation skills and essay writing.</p>
<p><b>Master of Arts</b>  <b>First Year of M.A.Sem I</b>  <b>(Marathi)</b></p>	<p>PSO1. Develop writing skill</p> <p>PSO2. Develop language skill and abilities.</p> <p>PSO3. Train to use language skills in media</p> <p>PSO4. Study interview skills and letter writing .</p>

PSO1.Introduce development of Marathi language and literature

PSO2. Study the changes and transformation in medieval Marathi literature

PSO3.Study *santsahitya*

PSO4.Understand the social – cultural background of medieval Marathi literature

PSO1.Understand the structure, functionand methodology of language

PSO2.Developed integrated view about language.

PSO3. Study technical aspect and the practical usage of phonology and morphology

PSO 4. Familiarize with language used in various field.

PSO1.Introduce Post-Independence Marathi literature.

PSO2. Study of emergence of *GraminLiterature* (Rural Literature)

PSO3.Study the aspects of *Gramin Literature* (Rural Literature)

PSO 4. Study the contribution of *Gramin Literature* (Rural Literature)in Marathi.

**Master of Arts  
First Year of  
M.A.Sem II  
(Marathi)**

PSO1. Develop translation skill in Marathi

PSO2. Develop skill of anchoring.

PSO3. Understand the structure and skill of public relation  
PSO4. Orientation for project writing

PSO1. Introduce work of *SantTukaram and SantRamdas*

PSO2. Study the changes and transformation in medieval Marathi literature  
PSO3. Study *PanditiSahitya (Sanskrit based literature)*  
PSO4. Understand the Annals and Ballads literature

PSO1. Understand the concept and background of sociolinguistics.

PSO2. Study usage of Marathi language in social context.  
PSO3. Study of Marathi language and culture.  
PSO 4. Study of pidgin and creol language.  
PSO1. Introduce Post-Independence Marathi literature.

PSO2. Study of emergence of *Dalit Literature*  
PSO3. Study the aspects of *Dalit Literature*  
PSO 4. Study the contribution of *Dalit Literature* in Marathi.

**Master of Arts  
Second Year of  
M.A.Sem III  
(Marathi)**

PSO1. Develop writing skill for print media

PSO2. Understand the relation between literature and other arts.  
PSO3. Study the theory of book review  
PSO4. Develop writing skill for electronic media  
PSO1. Introduce to the basics of literary criticism.

PSO2. Make them aware of the nature and historical development of criticism.  
PSO3. Make them familiar with the significant critical approaches and terms.  
PSO4. Encourage to interpret literary works in the light of the critical approaches.  
PSO5. Develop aptitude for critical analysis of Marathi literature  
PSO1. Introduce the writer and his life.

PSO2. Understand the social, cultural and religious background of writer.  
PSO3. Study the motives of writer.

PSO4. Appreciate the contribution of *SantJanabai*  
PSO1. Introduce the concept and structure of Marathi folk literature

PSO2. Understand the socio- cultural background of folk literature  
PSO3. Introduce folk literature at national and international level  
PSO4. Understand the impact of folk literature on other subjects.



**Master of Arts  
Second Year of  
M.A.Sem IV  
(Marathi)**

PSO1. Develop the skill of news writing for print media

PSO2.Study the concept, structure, features of advertisement.

PSO3.Introduce the theory of script writing for films

PSO4.Develop skill of modifying script for the films.

PSO1. Introduce the concept and nature of research

PSO2.Understand the stages of research

PSO3. Introduce the various fields and scope of research

PSO4. Study of interdisciplinary research

PSO1. Introduce the writer and his life.

PSO2.Understand the social, cultural and religious background of writer.

PSO3. Study the motives of writer.

PSO4. Appreciate the contribution of *Sant Janabai*

PSO1. Introduce the concept and structure of Marathi folk literature

PSO2.Understand the socio- cultural background of Marathi folksongs.

PSO3.Understand the socio- cultural background of Marathi folktales.

PSO4. Study the contribution of researchers of folk literature.

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### Course Outcomes

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1. Marathi General Paper- I  
(Aadhunik Marathi Wangmay)  
(Course Code- 1027)

CO1. Introduced various flavours of Marathi literature, language and culture.  
CO2 Used Marathi for various professional and practical activities.  
CO3. Develop reading & writing skills among the students

CO4. Exposed the knowledge of subject for life and career building

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1. Marathi General Paper- II (Aadhunik Marathi Sahitya Aani Upyojit Marathi)  
(Course Code- 2027)

CO1. Students wrote correct Marathi  
CO2. Students explained subject related concepts  
CO3 Incepted literary revelation.

CO4. Exposed the knowledge of subject for life and career building

2. Marathi Special Paper- I  
(Marathi Sahitya til Vividh Sahitya Prakar)  
(Course Code- 2028)

CO1. Explained types of Marathi Literature  
CO2. Developed interest in reading literature.  
CO3. Explained individual views on the literature studied.

CO4.Imbided humanity.

3.Marathi Special Paper- II (Arvachin Marathi VanghmayachaItihas)

(Course Code- 2029 )

CO1. Understoodthe historical tradition of Modern Marathi Literature.

CO2.Inspired to read and understand Marathi literature.

CO3.Explained the development of Marathi Literature

CO4.Understood the social, political and cultural background of Marathi Literature

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1.Marathi General Paper- III

(Aadhunik Marathi

SahityaAaniVyavaharikUpyojit Marathi)

(Course Code- 3027)

CO1. Studied selected essays and travelogues.

CO2.Understood the background of selected essays and travelogues.

CO3.Used language effectively in day to day life.

CO4.Evaluated the selected texts.

1.MarathiSpecial Paper- III

(SahityaVichar)

(Course Code- 3028)

CO1 Explained the structure of literature.

CO2.Studied various purposes of literature.

CO3.Understood the process and creativity in literature

CO4.Inculcated the human values through literature.

1.MarathiSpecial Paper- IV

(BhashaVidnyanVarnanatmakaaniAitihasi k)

(Course Code- 3029)

CO1. Studied and understood the structure , function and importance of language

CO2. Studied the basics of phonology, morphology and sociolinguistic elements technical aspects and the practical usage of advanced units of language.

CO3. Practiced phonology in day to day life.

CO4. Applied the skills in phonetics in Marathi.

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#### 1. Marathi Paper

(Yashogathava Vyavaharik Aani Upyojit Marathi)

(Course Code- 1521) CO1.

Studied Marathi language used in various fields.

CO2. Familiarized with literary prose, basics of grammar and communication skills in Marathi

CO3. Practiced and used Marathi language for practical purposes

CO4. Studied about various forms for media.

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#### 1. Marathi Paper (Marathi

Vidhyan Sahitya Aani Vyavaharik Marathi)

(Course Code- 83111 & 83112 )

CO1. Developed interest and scientific attitude through Marathi literature

CO2. Familiarized selected literary prose and communication skills in Marathi

CO3. Practiced Marathi language skills in media.

CO4. Practiced translation skills and essay writing.

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#### Paper 1.

Vyavaharikani Upyojit Marathi Bhag I

(Course Code-10491)

CO1. Developed various writing skills.

CO2. Developed language skills and abilities for personality development.

CO3. Practiced writing skills for social media.

CO4. Practiced interview skills and letter writing .

Paper 2

MadhyuginmarathivangmayachalTihās

(prarambh to 1600

(Course Code-10492)

CO1. Learned the development of Marathi language and literature

CO2. Studied the changes and transformation in medieval Marathi literature

CO3. Understood the various social and literary work by *Marathi Sant*

CO4. Familiarized the social – cultural background of medieval Marathi literature

Paper 3 BhashaVidnyan -

Varnantmak(Course Code-10493 )

CO1. Generated interest in studying methodology of language

CO2. Developed linguistic competence

CO3. Studied the basics of phonology, morphology and socio linguistics elements in Marathi

CO4. Familiarized with usage of language in various field .

Paper 4 Graminsahitya

(Course Code-10494 )

CO1. Realized the structure of Post-Independence Marathi literature.

CO2. Understood the emergence of *Gramin Literature* (Rural Literature) and its reasons.

CO3. Understood various aspects of *Gramin Literature* (Rural Literature)

CO 4. Studied selected *Marathi Gramin writers* for the study such as Anand Yadav, Bhaskar Chandanshiv, Bahinabai Chaudhari etc.

Paper 1 Vyavharikaniupyojit Marathi

Bhag II (Course Code-20491)

CO1. Developed translation skill in Marathi

CO2. Practiced anchoring in various programs.

CO3. Practiced public relation skill through various community visits  
CO4. Prepared various projects related to social media.

Paper 2 Madhyugin Marathi  
Vangmayacha Itihas (1600 to 1818)  
(Course Code-20492)

CO1. Introduced work of Sant Tukaram and Sant Ramdas

CO2. Studied of the changes and transformation in mediaeval Marathi literature

CO3. Analyzed the structure and masterpieces in *Pandit Sahitya*

CO4. Studied the structure and contribution of Annals and Ballads in literature

Paper 3 Bhashavidnyan - Samjik  
(Course Code-20493)

CO1. Understood the concept and background of sociolinguistics

CO2. Practiced sociolinguistics in day to day life.

CO3. Studied the relation between language and cultural.

CO4. Used pidgin and creol language.

Paper 4 Dalit Sahitya (Course Code-20494)

CO1. Realized the structure of Post-Independence Marathi literature.

CO2. Understood the emergence of *Dalit Literature* and its reasons.

CO3. Understood various aspects of *Dalit Literature*

CO4. Studied selected *Marathi Dalit writers* for the study such as Namdeo Dhasal, Narayan Surve, Baburao Bagul etc.

Paper 5

Prasarmadhyameani Sahityavyavhar  
(Course Code-30491)

CO1. Developed writing skill for print media

CO2. Understood the relation between literature and other arts.

CO3. Practiced book review of the choice.

CO4. Familiarized writing skill for electronic media

Paper 6 Sahitya Samiksha  
(Course Code-30492)

CO1. Studied theory, types and functions of criticism.

CO2. Understood the development, phases and various schools of criticism.

CO3. Studied various approaches to criticism.

CO4. Developed critical attitude and sensibility.

CO5. Practiced criticism in context with novel, poetry and drama.

Paper 7 Vishesh Lekhakachabhayas -  
*SantJanabai*  
(Course Code-30493)

CO1. Introduced writer and his career.

CO2. Understood the social, cultural and religious background of *SantJanabai*.

CO3. Understood the emergence of writings by *SantJanabai*.

CO4. Appreciated the selected works of *SantJanabai*.

Paper 8 Loksahityachi Multatveani  
Marathi Loksahitya  
(Course Code-30494)

CO1. Understood the concept, form and structure of folk literature.

CO2. Studied socio-cultural aspects of Marathi folk literature

CO3. Represented folk literature on national and international level

CO4. Studied the role of folk literature in social transformation.

Paper 5

Prasarmadhyameanisahityavyavhar  
(Course Code-40491)

- CO1. Practiced writing news for print  
CO2. Studied the structure and features of advertisement.  
CO3. Practiced script writing for films.

CO4. Modified the scripts for films.

Paper 6 Sahitya Sanshodhan  
(Course Code-40492)

- CO1. Understood the concept and nature of research  
CO2. Studied the stages of research

CO3. Introduced the various fields of research in Marathi literature

CO4. Understood the structure and importance of interdisciplinary research and research methodology

Paper 7 Visheshlekhakachaabhayas -

*SantJanabai* (Course Code-40493) CO1.

Introduced writer and his career.

CO2. Understood the social, cultural and religious background of *SantJanabai*.

CO3. Understood the emergence of writings by *SantJanabai*.

CO4. Appreciated the selected works of *SantJanabai*.

Paper 8 Loksahityachimultatveani

Marathi loksahitya (Course Code-40494)

CO1.

Introduced the concept and structure of Marathi folk literature

CO2. Studied the socio-cultural background of Marathi folk songs.

CO3. Studied the socio-cultural background of Marathi folktales.

CO4. Studied the contribution of R. C. Dhere, Prabhakar Mande, Durga Bhagwat etc.



**Department of Mathematics**

<b>Programme</b>	<b>Programme outcomes</b>	<b>Programme Specific Outcomes</b>
<b>Bachelor of Science First Year of Bachelor of Science (F.Y.B.Sc.)</b>	<p>PO1. Define Curriculum career-oriented approaches.</p> <p>PO2. Establish bonding with the local community and internships with industry.</p> <p>PO3. Understand the basic principles, concepts, structures in science and applying for advancement in technology.</p> <p>PO4. Provide laboratory skills effectively.</p> <p>PO5. Inculcate of research culture among students and teachers.</p> <p>PO6. Facilitate services in applied sciences.</p> <p>PO7. Enhancement of scientific and inquisitive approach among students and society for progressive nation.</p> <p>PO8. Holistic approach towards environment and awareness towards harmonious life.</p>	<p>PSO1. Recall the basic facts in Mathematics and display knowledge of conventions such as notations, terminology and recognize basic geometrical figures and graphical displays.</p> <p>PSO2. Study the relational understanding of Mathematical concepts and concerned structures to follow the patterns involved in Mathematical reasoning.</p> <p>PSO3. Train students to apply Mathematics at global level.</p> <p>PSO4. Translate verbal information into Mathematical form.</p> <p>PSO5. Select and use appropriate Mathematical formulae or techniques to process the data.</p> <p>PSO6. Train the students for logical thinking and reasoning ability in critical situations.</p>

<p><b>Second Year of Bachelor of Science (S.Y.B.Sc.)</b></p>	<p>PO1. Define Curriculum career-oriented approaches.</p> <p>PO2. Establish bonding with the local community and internships with industry.</p> <p>PO3. Understand the basic principles, concepts, structures in science and applying for advancement in technology.</p> <p>PO4. Provide laboratory skills effectively.</p> <p>PO5. Inculcate of research culture among students and teachers.</p> <p>PO6. Facilitate services in applied sciences.</p> <p>PO7. Enhancement of scientific and inquisitive approach among students and society for progressive nation.</p> <p>PO8. Holistic approach towards environment and awareness towards harmonious life.</p>	<p>PSO1. Recall the basic facts in Mathematics and display knowledge of conventions such as notations, terminology and recognize basic geometrical figures and graphical displays.</p> <p>PSO2. Study the relational understanding of Mathematical concepts and concerned structures to follow the patterns involved in Mathematical reasoning.</p> <p>PSO3. Train students to apply Mathematics at global level.</p> <p>PSO4. Translate verbal information into Mathematical form.</p> <p>PSO5. Select and use appropriate Mathematical formulae or techniques to process the data.</p> <p>PSO6. Train the students for logical thinking and reasoning ability in critical situations.</p>
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<p><b>Third Year of Bachelor of Science (T.Y.B.Sc.)</b></p>	<p>PO1. Define Curriculum career-oriented approaches.</p> <p>PO2. Establish bonding with the local community and internships with industry.</p> <p>PO3. Understand the basic principles, concepts, structures in science and applying for advancement in technology.</p> <p>PO4. Provide laboratory skills effectively.</p> <p>PO5. Inculcate of research culture among students and teachers.</p> <p>PO6. Facilitate services in applied sciences.</p> <p>PO7. Enhancement of scientific and inquisitive approach among students and society for progressive nation.</p> <p>PO8. Holistic approach towards environment and awareness towards harmonious life.</p>	<p>PSO1. Recall the basic facts in Mathematics and display knowledge of conventions such as notations, terminology and recognize basic geometrical figures and graphical displays.</p> <p>PSO2. Study the relational understanding of Mathematical concepts and concerned structures to follow the patterns involved in Mathematical reasoning.</p> <p>PSO3. Train students to apply Mathematics at global level.</p> <p>PSO4. Translate verbal information into Mathematical form.</p> <p>PSO5. Select and use appropriate Mathematical formulae or techniques to process the data.</p> <p>PSO6. Train the students for logical thinking and reasoning ability in critical situations.</p>
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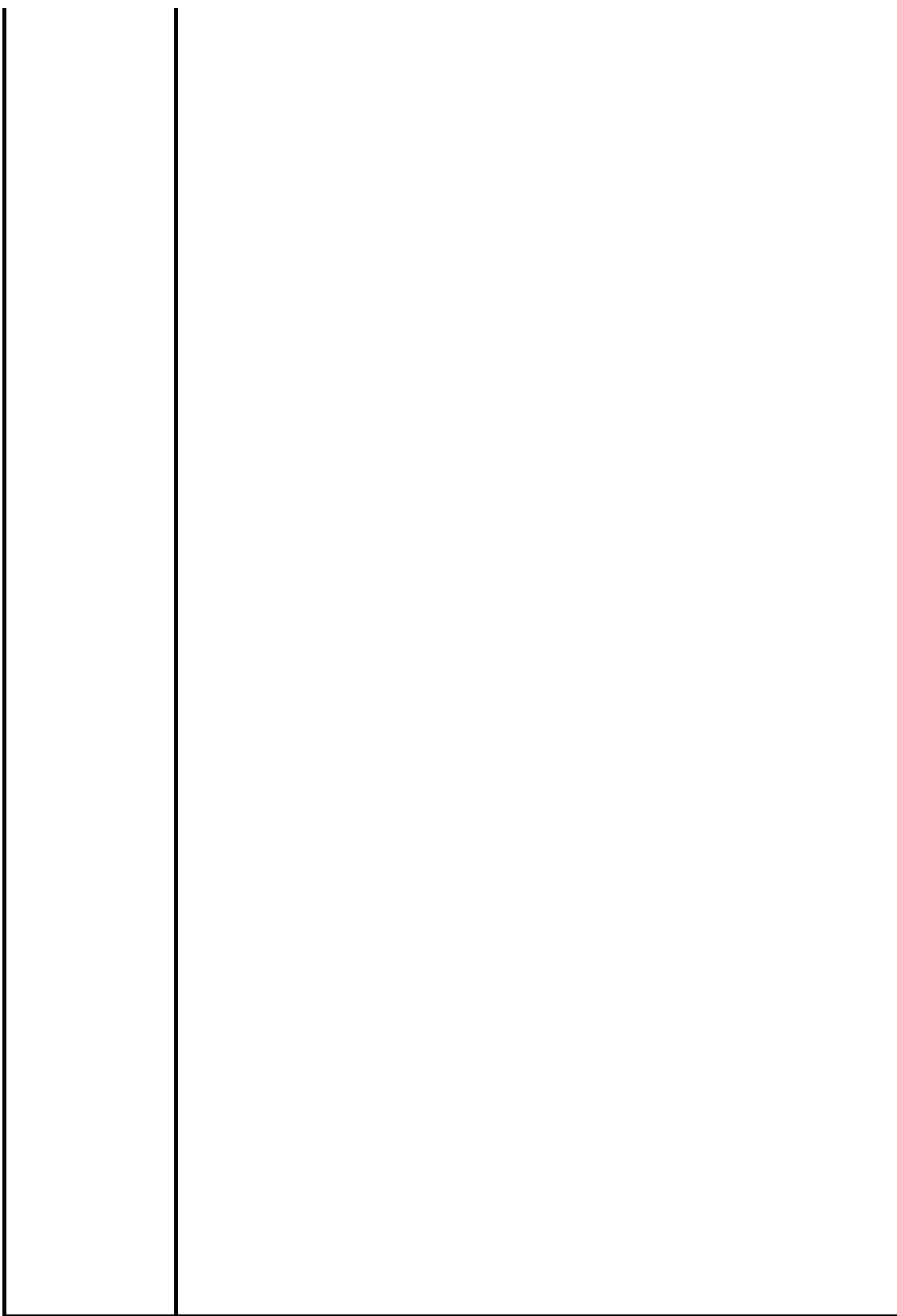
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**Course Outcomes**

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Mathematics:

1. Algebra and Geometry

Course Code-71110

CO1. Numerically solve basic eigenvalue problems.

CO2. To solve various equations using Greatest Common divisor.

CO3. Students will demonstrate the ability to algebraically analyze functions.

CO4. To classify numbers into number sets.

CO5. To classify quadratic equations.

2. Calculus and Differential Equations

Course Code-71120

CO1. Understood basic definitions and terminology of differential equations and their applications

CO2. Understand and apply appropriate techniques for differentiation and integration.

CO3. To understand Mean Value Theorem for function of one variable.

3. Practical

Course Code-71130

CO1. Students will form and solve linear equations in one variable.

CO2. Students will apply basic algebra and geometry to solve problems.

CO3. Students will demonstrate the ability to solve equations involving trigonometric values.

CO4. Students construct simple geometric proofs.

Mathematics:

1. Multivariable Calculus-I

Course Code-81111

CO1. Understand concept of partial derivative.

CO2 Understand differentiability for function of two variables.

CO3. Sketch graphs and level curves of two variables.

CO4. Demonstrate the ability to think critically by setting up and solving application problems involving double and triple integrals.

CO5. Locate and use information to solve calculus problems in several variables.

2. Laplace Transforms and Fourier Series

Course

Code-811B1

CO1. Will be

able to use the Laplace transform in finding the solution of linear differential equations.

CO2. Laplace transforms solution of linear differential equation with constant coefficients.

CO3. Use the Laplace transform to compute solutions of second order, linear equations with constant coefficients.

CO4. Apply Inverse Laplace transform to different applications.

CO5. Use Convolution theorem to evaluate integration.

3. Practical

Course Code-81151

CO1. Find

the convolution of two functions and the transform of a convolution.

CO2. Find the transforms of derivatives and integrals.

CO3. To demonstrate Double, triple Integration of various problems.

CO4.To finds domain, range and curve of various functions.

4.Linear Algebra Course

Code-81112 CO1.Define basic terms and concepts of matrices, vector spaces.

CO2.Apply the matrix calculus in solving a system of linear algebraic equations.

CO3.To understands inner product spaces and linear Transformations.

CO4. To solve problems for orthogonal and orthonormal basis.

5.Numerical Methods and Its Applications Course

Code-811B2

CO1. Trained to use various numerical and analytical methods.

CO2.Demonstrate understanding of common numerical methods and how they are used to obtain approximate solutions to otherwise intractable mathematical problems.

CO3.The solution of differential equations and nonlinear equations and derive numerical methods for various mathematical operations and tasks, such as interpolation, differentiation, integration, the solution of linear.

CO4.Apply numerical methods to obtain approximate solutions to mathematical problems.

6.Practical

Course Code-81152

CO1.Demonstrate the Linear independent and Linear Dependant vectors.

CO2.To find Rank of matrix, Vector spaces, basis and dimension and Linear mappings.

CO3.To discusses the methods like Newton's Raphons Method, Eulers Method, and Bisections method.

CO4. Application in Curve fitting problems like line equation, exponential equation.

Mathematics:

1.Metric Spaces

Course Code-91113

CO1.Understand the Euclidean distance functions on  $R^n$  and appreciate its properties, and state and use the Triangle and Reverse Triangle Inequalities for the Euclidean distance function on  $R^n$ .

CO2.The definition of continuity of a function between two metric spaces.

CO3.Open and closed balls in a metric space and be able to determine them for given metric spaces.

CO4.Define convergence for sequences in a metric space and determine whether a given sequence in a metric space converges.

2.Real Analysis-I

Course Code-91113

CO1.To understand the basics of Real analysis.

CO2.Describe fundamental properties of the real numbers that lead to the formal development of real analysis

CO3.Demonstrate an understanding of limits and how they are used in sequences, series, differentiation and integration.

CO4.Use technology appropriately to investigate and solve mathematical.

3.Problem Paper-I

Course Code-91133

Course

CO1.To

understand compact metric spaces and connectedness.

CO2.Continuous functions in metric spaces.

CO3.To learn Convergence, divergence, monotonic of sequences.

CO4.To learn infimum and supremum of various sequences.

#### 4.Group Theory

Course Code-91143

CO1. Learned to define group and understand the related concepts.

CO2.The students should be able to solve problems from the Algebra Qualifying Exam list related.

CO3.Understand and use the terms homomorphism and isomorphism.

CO4.Recall and use the definitions and properties of cosets and subgroups.

#### 5.Ordinary Differential Equations

Course Code-91153

CO1.Classifies the differential equations with respect to their linearity and order.

CO2.Uses the operator method to solve linear systems with constant coefficients.

CO3.Understand some basic definitions and terminology associated with differential equations and their solutions.

CO4.Determine regions of the plane over which a given first-order differential equation will have a unique solution.

6.Problem Paper-II Course Code-91163

CO1. Knowledge of some fundamental results and techniques from the theory of finite groups.

CO2.Recall and use the definitions and properties of dihedral, symmetric and alternating groups.

CO3. Uses the method variations of parameters to find to solution of higher-order linear differential equations with variable coefficients.

CO4. Use the Method of Frobenius to solve differential equations about regular singular points.

#### 7.Operations Research

Course Code-911A3 CO1.

Understood the principle of maximizing the profit and minimizing the production cost practically

CO2. Industry selects an optimum solution with profit maximization.

CO3. Solve transportation problems during the allocation of trucks to excavators formulate operation research models.

CO4. To Assign job to each person using assignment problem.

#### 8. Number Theory

Course Code-911F3

CO1. Acquired the concepts and results of Number Theory.

CO2. Understand the definitions of residue classes, least residues and Convergences.

CO3. Use to solve linear congruence and determine multiplicative inverses, modulo  $n$ .

CO4. Use Greatest Common divisor to solve Diophantine equations.

CO5. Apply the Number theory to different applications using theorem.

#### 9. Practical

Course Code-91193

CO1. To understand the concept of maximum profit using transportation problem.

CO2. Formulate a Linear Program (LP) or translate into standard form, and use the Simplex Method to solve.

CO3. Identify and apply various properties of and relating to the integers including the Well-Ordering Principle, primes, the division algorithm.

CO4. Understand the definitions of congruences, residue classes and least residues.

#### 10. Complex Analysis

Course

Code-91114 CO1. Demonstrate accurate and efficient use of complex analysis techniques.

CO2. Define a function of complex variable and carry out basic mathematical operations with complex numbers.

CO3. Define singularities of a function, know the different types of singularities.

CO4. Apply the series in the course to solve a variety of problems at an appropriate level of difficulty.

#### 11. Real Analysis-II

Course Code-91124

CO1. Definitions of some terminologies, proofs and calculations of Upper Riemann Sum and Lower Riemann Sum.

CO2. Students will be taught continuous and monotone functions and how to integrate them using Riemann Integral.

CO3. Establish Riemann Integrals functions and the effects of limits (sums) on them.

CO4. Demonstrate the ability to use and operate series of numbers and series of functions.

#### 12. Problem Paper-I Course Code-91134

CO1.

Understand the concept of sequences and series with respect to the complex numbers.

CO2. Demonstrate an understanding of the fundamental concepts of complex analysis.

CO3. Describe fundamental properties of the real numbers that lead to the formal development of real analysis.

CO4. Summarize the role of measurable sets in the theory of the Riemann integral.

#### 13. Ring Theory

Course Code-91144

CO1. Study about ring theory in a coherent, grammatically correct and technically accurate manner.

CO2. Use a combination of theoretical knowledge and independent mathematical thinking to investigate questions in ring theory and to construct proofs.



CO3.To study relation between Euclidean domain, principal ideal domain and unique factorization domain.

CO4.Study integral domain, Polynomial rings and irreducible polynomial using ring theory.

14.Partial Differential Equations

Course Code-91154                      CO1.

Classify partial differential equations and transform into canonical form.

CO2. Solve linear partial differential equations of both first and second order.

CO3.Students should be able to solve both linear and quasilinear wave equation by the method characteristics.

CO4.Able to expand one variable functions in series along bases of orthogonal functions, for example in Fourier series, Bessel series, Legendre series.

15.Problem Paper-II                      Course  
Code-91164                      CO1.

Capacity to work with the classes of rings and fields appearing in the course, particularly specific calculations around finite fields and polynomials.

CO2.Understand and be able to apply the fundamental theorem of finite abelian groups.

CO3.Solve initial value problem ordinary differential equations with explicit or implicit methods as appropriate.

CO4.Apply problem-solving using concepts and techniques from PDE's.

CO5.Students should be able to solve a second order partial differential equation with boundary conditions and initial conditions.

## 16. Optimization Techniques

Course Code-911A4

CO1. Develop linear programming (LP) models for shortest path, maximum flow, minimal spanning tree, critical path, minimum cost flow, and trans shipment problems.

CO2. Use CPM and PERT techniques, to plan, schedule, and control project activities.

CO3. Formulate the nonlinear programming models.

CO4. Solve the zero-sum two- person games.

## 17. Computations Geometry

Course Code-911F4

CO1. Develop skills to work on geometrical manipulating software.

CO2. Define fundamental and advanced concepts in Geometrical objects, Computational Geometry and its application domain, Convex Combination of points, Orthogonal Range Searching, Verona Diagram and Visibility Graph.

CO3. Illustrate the ability to solve problems as a group and to manage time, resources and task.

CO4. Operate with the usage of Internet to work with geometrical calculations.

## 18. Practical

Course Code-91194

CO1. Understand the construction and main solution ideas for nonlinear optimization problems.

CO2. Ability to model real-life problems as optimization problems.

CO3. To understands the concept of shortest length using network model.

CO3. Use line-point duality to develop efficient algorithms.

CO4. Apply geometric techniques to real-world problems in graphics.

## Department of Physics

Programme	Programme outcomes	Programme Specific Outcomes
<b>Bachelor of Science First Year of Bachelor of Science (F.Y.B.Sc.)</b>	PO1. Define Curriculum career-oriented approaches.	PSO1. Provide thorough knowledge of scientific and technological aspects in Physics.
	PO2. Establish bonding with the local community and internships with industry.	PSO2. Understand the relations in electricity
	PO3. Understand the basic principles, concepts, structures in science and applying for advancement in technology.	PSO3. Apply laws of electrical circuits to different circuits.
	PO4. Provide laboratory skills effectively.	PSO4.Exposed to the properties, relationships between the thermodynamic parameters of a pure substance, ideal gas and real gas.
	PO5. Inculcate of research culture among students and teachers.	
	PO6. Facilitate services in applied sciences.	
	PO7. Enhancement of scientific and inquisitive approach among students and society for progressive nation.	
	PO8. Holistic approach towards environment and awareness towards harmonious life.	

<p><b>Second Year of Bachelor of Science (S.Y.B.Sc.)</b></p>	<p>PO1. Define Curriculum career-oriented approaches.</p> <p>PO2. Establish bonding with the local community and internships with industry.</p> <p>PO3. Understand the basic principles, concepts, structures in science and applying for advancement in technology.</p> <p>PO4. Provide laboratory skills effectively.</p> <p>PO5. Inculcate of research culture among students and teachers.</p> <p>PO6. Facilitate services in applied sciences.</p> <p>PO7. Enhancement of scientific and inquisitive approach among students and society for progressive nation.</p> <p>PO8. Holistic approach towards environment and awareness towards harmonious life.</p>	<p>PSO1. Understand the complex algebra useful in physics courses</p> <p>PSO2. Understand the concept of partial differentiation.</p> <p>PSO3. Understand vector algebra useful in mathematics and physics</p> <p>PSO4. Design circuits using transistors and operational amplifiers.</p>

**Third Year of  
Bachelor of Science  
(T.Y.B.Sc.)**

PO1. Define Curriculum career-oriented approaches.

PSO1. Familiarize with recent trends and technological developments.

PO2. Establish bonding with the local community and internships with industry.

PSO2. Enrich knowledge through problem solving, hand on activities, visits and projects.

PO3. Understand the basic principles, concepts, structures in science and applying for advancement in technology.

PO4. Provide laboratory skills effectively.

PO5. Inculcate of research culture among students and teachers.

PO6. Facilitate services in applied sciences.

PO7. Enhancement of scientific and inquisitive approach among students and society for progressive nation.

PO8. Holistic approach towards environment and awareness towards harmonious life.

PSO3. Create the knowledge base for research and development in electronics.



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**Course Outcomes**

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1. Physics: 1. Mechanics, Heat & Thermodynamics

Course Code -71220

CO1. Demonstrate an understanding of Newton's laws and applying them in Calculations of the motion of simple systems.

CO2. Understand the concepts of energy, work, power, the concepts of conservation of energy elasticity and be able to perform calculations using them.

CO3. Demonstrate quantitative problem solving skills in all the topics covered.

CO4. Describe the ideal gas equation.

The properties of and relationships between the thermodynamic properties of a pure substance

Physics Principles and Applications & Electromagnetics

Course Code -71220

CO1. To demonstrate an understanding of electromagnetic waves and its spectrum.

CO2. Understand the types and sources of electromagnetic waves and applications.

CO3. Demonstrate an understanding of the electric force, field and potential, and related concepts, for stationary charges magnetic field.

CO4. Demonstrate quantitative problem solving skills in all the topics covered.

Physics Practical

Course Code -71230

CO1. Acquire technical and manipulative skills in using laboratory equipment, tools, and materials.

CO2. Demonstrate an ability to collect data through observation and/or experimentation and interpreting data.

CO3. Demonstrate an understanding of laboratory procedures including safety, and scientific methods.

CO4. Acquire the complementary skills of collaborative learning and teamwork in laboratory settings.

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1. Physics: Mathematical Methods in Physics

Course Code-81211

CO1. Understand the complex algebra.

CO2. Understand the concept of partial differentiation.

CO3. Understand vector algebra useful in mathematics and physics

CO4. Understand the role of partial differential equations in physics.

Physics Electronics

Course Code-812A1

CO1. Apply laws of electrical circuits to different circuits.

CO2. Understand the relations in electricity

CO3. Understand the properties and working of transistors.

CO4. Design circuits using transistors and operational amplifiers.

Physics Oscillations, Waves and Sound

Course Code-81212

CO1. Understand the physics and mathematics of oscillations.

CO2. Solve the equations of motion for simple harmonic, damped, and forced oscillators.

CO3. Explain oscillation in terms of energy exchange, giving various examples.

CO4. Understand the mathematical description of travelling and standing waves.

Optics

Course Code –81222

CO1. Acquire the basic concepts of wave optics

CO2. Describe how light can constructively and destructively interfere

CO4. Analyze simple examples of interference and diffraction phenomena.

CO3. Understand optical phenomena such as polarization, birefringence, interference and diffraction in terms of the wave model.

CO4. Analyze simple examples of interference and diffraction phenomena.

Physics Practical

Course Code –81231      CO1. Use various instruments and equipment.

CO2. Design experiments to test a hypothesis and/or determine the value of an unknown quantity.

CO3. Set up experimental equipment to implement an experimental approach.

CO4. Analyze data, plot appropriate graphs and reach conclusions from your data analysis.

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1. Physics: Mathematical Methods in Physics

Course Code-91213      CO1. The student should be able to solve problems within these topics and describe their significance in modern physics

CO2. Be familiar with the main mathematical methods in physics.

### Solid State Physics

Course Code-91223 CO1.Be

familiar with the basic phenomena in solid state physics.

CO2. Understand the models that describe these phenomena.

CO3.Be able to make quantitative estimates for phenomena in solid state physics.

### Classical Mechanics

Course Code-91233 CO1.Have

a deep understanding of Newton's law.

CO2.Be able to solve the Lagrangian & Hamiltonians equation.

### Atomic And Molecular

Physics Course Code-91243

CO1.Understanding of the Standard Model .

CO2.Be able to make quantitative estimates of phenomena in elementary particle.

### Computational Physics

Course Code-91253

CO1.Identify modern programming methods.

CO2.Independently program computers using leading-edge tools.

### Renewable Energy Sources

Course Code-912E3

CO1.Describe the challenges and problems associated with the use of various energy sources.

CO2.Know the need of renewable energy resources, historical and latest developments.

CO3.Compare Solar, Wind and bioenergy systems, Their prospects, Advantages and limitations.

### Classical Electrodynamics Course

Code-91214 CO1.Understanding of

the theoretical foundations of electromagnetic phenomena.

CO2.Be able to solve the Maxwell equations for simple configurations.

Quantum Mechanics

Course Code-91224

CO1.Understand the effect of symmetries in quantum mechanics.

CO2.Be able to solve the Schrödinger equation for simple configuration.

CO3.Have a deep understanding of the mathematical foundations of quantum mechanics.

Thermodynamics & Statistical

Physics

Course

Code-91234

CO1.You

can master basic statistical methods and concepts like probability,

CO2.Has thorough knowledge on different classical and quantum mechanical distribution functions.

Nuclear Physics

Course Code-91244

CO1.Demonstrate knowledge and understanding of laws definitions concepts scientific vocabulary, scientific quantities and there determination.

CO2. Understand the fundamental principles and concepts governing classical nuclear physics.

Electronics

Course Code-91254 CO1.Analyse simple electronics circuits based on diodes and transistors with special focus on designing amplifiers with discrete components;

CO2.Perform Analysis at AC of Amplifiers based on BJTs and FETs using weak signal models.

Laser

Course Code- 912K4

CO1.Understanding the scientific and clinical principles of lasers in

CO2.Learn basic concepts of laser physics and segmentation of wavelengths.

CO3.Become familiar with different types of laser used in dentistry.

CO4.Understand the basic elements of the laser.

#### PRACTICAL COURSE 1

Course Code – 921274

CO1.Work in a group to plan, implement and report on an experiment.

CO2.Investigate the theoretical background to an experiment.

CO3.Set up experimental equipment to implement an experimental approach.

CO4.Demonstrate a deeper understanding of abstract concepts and theories gained by experiencing and visualizing them as authentic phenomena.

#### PRACTICAL COURSE 2

Course Code – 91284

CO1.Demonstrate a deeper understanding of abstract concepts and theories gained by experiencing and visualizing them as authentic phenomena.

CO2.Acquire the complementary skills of collaborative learning and teamwork in laboratory settings

CO3.Demonstrate an understanding of laboratory procedures including safety, and scientific methods.

CO4.. Demonstrate an ability to collect data through observation and/or experimentation and interpreting data.

#### PRACTICAL COURSE 3

Course Code – 91294

CO1.Work in a group to plan, implement and report on a project/experiment

CO2. Investigate the theoretical background to an project.

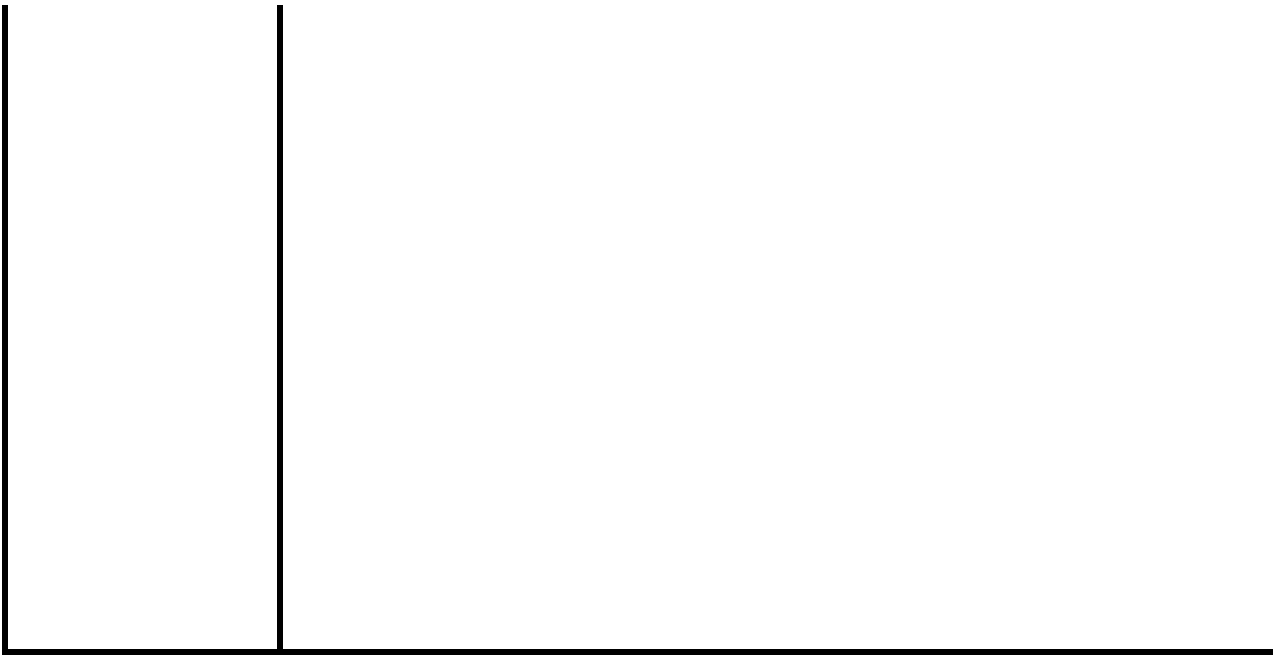
CO3. Acquire the complementary skills of collaborative learning and teamwork in laboratory settings

CO4. Acquire technical and manipulative skills in using laboratory equipment, tools, and materials.



**Department of Political Science**

<b>Programme</b>	<b>Programme outcomes</b>	<b>Programme Specific Outcomes</b>
<b>Bachelor of Arts First Year of Bachelor of Arts (F.Y.B.A.)</b>	<p>PO1. Foster excellence in critical approach towards reading, writing, analyzing and thinking.</p> <p>PO2. Encourage interdisciplinary approaches to learning.</p> <p>PO3. Offer the opportunities for the personality development through clear understanding of self, imbibing values and humanity for active</p> <p>PO4. Motivate for community involvement.</p> <p>PO5. Provide innovative courses and curriculum in response to intellectual, social and professional needs for career building.</p> <p>PO6. Promote soft skills among students.</p>	
<b>Bachelor of Arts Second Year of Bachelor of Arts (S.Y.B.A.)</b>		
<b>Bachelor of Arts Third Year of Bachelor of Arts (T.Y.B.A.)</b>		



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**Course Outcomes**

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1. Political Science General Paper- I:  
(Indian Government and Politics)  
(Course Code-1167)

CO1. Understood the uniqueness of Indian democratic system.  
CO2. Understood the functioning of the Indian political system.  
CO3. Understood constitutional and administrative structure of Indian Politics.

CO4. Followed the fundamental rights, duties and directive principles in the Constitution of India.

CO5. Understood the structure, features and execution of constitution.

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1. Political Science General Paper- 2:  
(Politics and Government of U.K. and U.S.A.)  
(Course Code-2167)

CO1. Compared the politics and government operative in U.K. and U.S.A.

CO2. Understood the legal and ideological base of the U.K. and U.S.A. governments

CO3. Understood the socio-economic background of U.K. and U.S.A.

CO4. Studied the policy making in U.K. and U.S.A.

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1. Political Science General Paper- 3:  
(Local Self-Government in Maharashtra)  
(Course Code-3167)

CO2. Studied the role of Local Government and Local Leadership in the development of Maharashtra.

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CO3. Studied various committees of Local Self Government of Maharashtra.

CO4. Studied the role of Rural Local Bodies, their composition, power and functions i.e. Gram Panchayat, Panchayat Samiti and Zillah Parishad.

CO5. Studied the role of Urban Local Bodies, their composition, power and functions i.e. Nagar Panchayat, Municipal Council and Municipal Corporation.

CO6. Studied the structure, power and functions of state election commission.

**Department of Psychology**

<b>Programme</b>	<b>Programme outcomes</b>	<b>Programme Specific Outcomes</b>
<b>Bachelor of Arts First Year of Bachelor of Arts (F.Y.B.A.)</b>	PO1. Personality development through curriculum PO2. Imbibing motivation, self-esteem and confidence among students	
<b>Bachelor of Arts Second Year of Bachelor of Arts (S.Y.B.A.)</b>	PO1. Develop the societal attitude among students. PO2. Understand the nature and function of society in the human development	
<b>Bachelor of Arts Third Year of Bachelor of Arts (T.Y.B.A.)</b>	PO1. Understand the structure of the organization, firms and industries. PO2. Imbibe professional ethics. PO3. Imbibe the managerial skills.	



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**Course Outcomes**

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**Psychology General Paper- I**

(General Psychology)

(Course Code- 1227)

CO1. Provided solid foundation for the basic principles of psychology

CO2. Familiarize with the historical trends in psychology, major concepts, theoretical perspectives, and empirical findings.

CO3. Provided an overview of the applications of psychology

CO4. Studied human behaviour and basic tenets of personality.

CO5. Applied the course content with the real life situations.

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**I. Psychology General Paper- II**

(Social Psychology)

(Course Code- 2227)

CO1. Acquainted students with basic concepts, methods and theories and applications of social psychology.

CO2. Understood the role of mind, behaviorism and personality for the development of civilization.

CO3. Inculcated motivation, self-esteem, confidence, attention among students for personality development.

CO4. Cultivated healthy minds for healthy society in the development of nation.

CO5. Nurtured pro-activeness, close relationships, group behavior, leadership and pro- social behavior.

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**Psychology General Paper- III**

(Industrial and Organizational Psychology)

(Course Code-3227)

CO1. Studied the significance of training, performance appraisal and leadership models in organizations and industry to make a healthy

CO2. Understood the functions and processes of various organizations related to human resource management.

CO3. Studied the significance of training, performance appraisal and leadership models in organization.

CO4. Understood the importance of Engineering Psychology.

CO5. Imbided the leadership qualities.

CO6. Understood the role of human resource management for the effective work culture.



**Department of Sociology**

<b>Programme</b>	<b>Programme outcomes</b>	<b>Programme Specific Outcomes</b>
<b>Bachelor of Arts First Year of Bachelor of Arts (F.Y.B.A.)</b>	<p>PO1. Foster excellence in critical approach towards reading, writing, analyzing and thinking.</p> <p>PO2. Encourage interdisciplinary approaches to learning.</p> <p>PO3. Offer the opportunities for the personality development through clear understanding of self, imbibing values and humanity for active</p> <p>PO4. Motivate for community involvement.</p> <p>PO5. Provide innovative courses and curriculum in response to intellectual, social and professional needs for career building.</p> <p>PO6. Promote soft skills among students.</p>	
<b>Bachelor of Arts Second Year of Bachelor of Arts (S.Y.B.A.)</b>		
<b>Bachelor of Arts Third Year of Bachelor of Arts (T.Y.B.A.)</b>		

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**Course Outcomes**

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Sociology General Paper- I  
(Text-Introduction to sociology)  
(Course Code-1377)

CO1. Understood the characteristics, functions and duties of the people towards society.

CO2. Realized various social institutes such as marriage, family, religion etc.

CO3. Made aware of the various social civilizations, their cultural differences and progress.

CO4. Understood various social theories.

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Sociology General Paper- II  
(Text-Population and Society)  
(Course Code-2377)

CO-1. Learned the population policy, its growth, distribution and effects in India.

CO-2. Understood the importance of population studies for policy and development.

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Sociology General Paper- III  
(Text-Crime and Society)  
(Course Code-3377)

CO-1. Understood the recent trends in criminology, changing profile of crime and criminals in the changing world.

CO-2 Understood the professional roles of correctional agents in agencies of criminal justice

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**Department of Urdu**

<b>Programme</b>	<b>Programme outcomes</b>	<b>Programme Specific Outcomes</b>
<b>Bachelor of Arts First Year of Bachelor of Arts (F.Y.B.A.)</b>	<p>PO1. Foster excellence in critical approach towards reading, writing, analyzing and thinking.</p> <p>PO2. Encourage interdisciplinary approaches to learning.</p> <p>PO3. Offer the opportunities for the personality development through clear understanding of self, imbibing values and humanity for active</p> <p>PO4. Motivate for community involvement.</p> <p>PO5. Provide innovative courses and curriculum in response to intellectual, social and professional needs for career building.</p> <p>PO6. Promote soft skills among students.</p>	
<b>Bachelor of Arts Second Year of Bachelor of Arts (S.Y.B.A.)</b>		
<b>Bachelor of Arts Third Year of Bachelor of Arts (T.Y.B.A.)</b>		

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**Course Outcomes**

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10. Urdu General Paper- I

(Name of the Paper)

(Course Code- 1077)

CO1. Created Urdu friendly community.

CO2. Interpreted Urdu literature by using critical approach.

CO3. Nurtured human values and ethics.

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1. Urdu General Paper- II

(Name of the Paper)

(Course Code-2077)

CO1. Trained the students for the application of Urdu language in various fields such as journalism and media etc.

CO2. Incepted literary revelation.

CO3. Exposed students towards reading, writing and communication skills.

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1. Urdu General Paper- III

(Name of the Paper)

(Course Code- 3077)

CO1. Oriented and trained to conduct research.

CO2. Used Urdu for various professional and practical activities.

CO3. Exposed the knowledge of subject for life and career building.

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**Department of Zoology**

<b>Programme</b>	<b>Programme outcomes</b>	<b>Programme Specific Outcomes</b>
<b>Bachelor of Science First Year of Bachelor of Science (F.Y.B.Sc.)</b>	PO1. Define Curriculum career-oriented approaches.	PSO1. Provide with the practical knowledge of fundamental principles in Zoology.
	PO2. Establish bonding with the local community and internships with industry.	PSO2. Make aware students with animal classification and taxonomic group.
	PO3. Understand the basic principles, concepts, structures in science and applying for advancement in technology.	PSO3. Enable students to use the evidences of comparative biology.
	PO4. Provide laboratory skills effectively.	PSO4. Explain the function of various organisms at the level of gene, genome, cell, tissue, organ and organ-system.
	PO5. Inculcate of research culture among students and teachers.	PSO5. Study the morphological and physiological functioning of various animal species.
	PO6. Facilitate services in applied sciences.	PSO6. Study the use of commercially important fauna.
	PO7. Enhancement of scientific and inquisitive approach among students and society for progressive nation.	
	PO8. Holistic approach towards environment and awareness towards harmonious life.	
<b>Second Year of Bachelor of Science (S.Y.B.Sc.)</b>	PO1. Define Curriculum career-oriented approaches.	PSO1. Provide with the practical knowledge of fundamental principles in Zoology.

	<p>PO2. Establish bonding with the local community and internships with industry.</p> <p>PO3. Understand the basic principles, concepts, structures in science and applying for advancement in technology.</p> <p>PO4. Provide laboratory skills effectively.</p> <p>PO5. Inculcate of research culture among students and teachers.</p> <p>PO6. Facilitate services in applied sciences.</p> <p>PO7. Enhancement of scientific and inquisitive approach among students and society for progressive nation.</p> <p>PO8. Holistic approach towards environment and awareness towards harmonious life.</p>	<p>PSO2. Make aware students with animal classification and taxonomic group.</p> <p>PSO3. Enable students to use the evidences of comparative biology.</p> <p>PSO4. Explain the function of various organisms at the level of gene, genome, cell, tissue, organ and organ-system.</p> <p>PSO5. Study the morphological and physiological functioning of various animal species.</p> <p>PSO6. Study the use of commercially important fauna.</p>
<p><b>Third Year of Bachelor of Science (T.Y.B.Sc.)</b></p>	<p>PO1. Define Curriculum career-oriented approaches.</p> <p>PO2. Establish bonding with the local community and internships with industry.</p> <p>PO3. Understand the basic principles, concepts, structures in science and applying for advancement in technology.</p>	<p>PSO1. Provide with the practical knowledge of fundamental principles in Zoology.</p> <p>PSO2. Make aware students with animal classification and taxonomic group.</p> <p>PSO3. Enable students to use the evidences of comparative biology.</p>

PO4. Provide laboratory skills effectively.

PO5. Inculcate of research culture among students and teachers.

PO6. Facilitate services in applied sciences.

PO7. Enhancement of scientific and inquisitive approach among students and society for progressive nation.

PO8. Holistic approach towards environment and awareness towards harmonious life.

PSO4. Explain the function of various organisms at the level of gene, genome, cell, tissue, organ and organ-system.

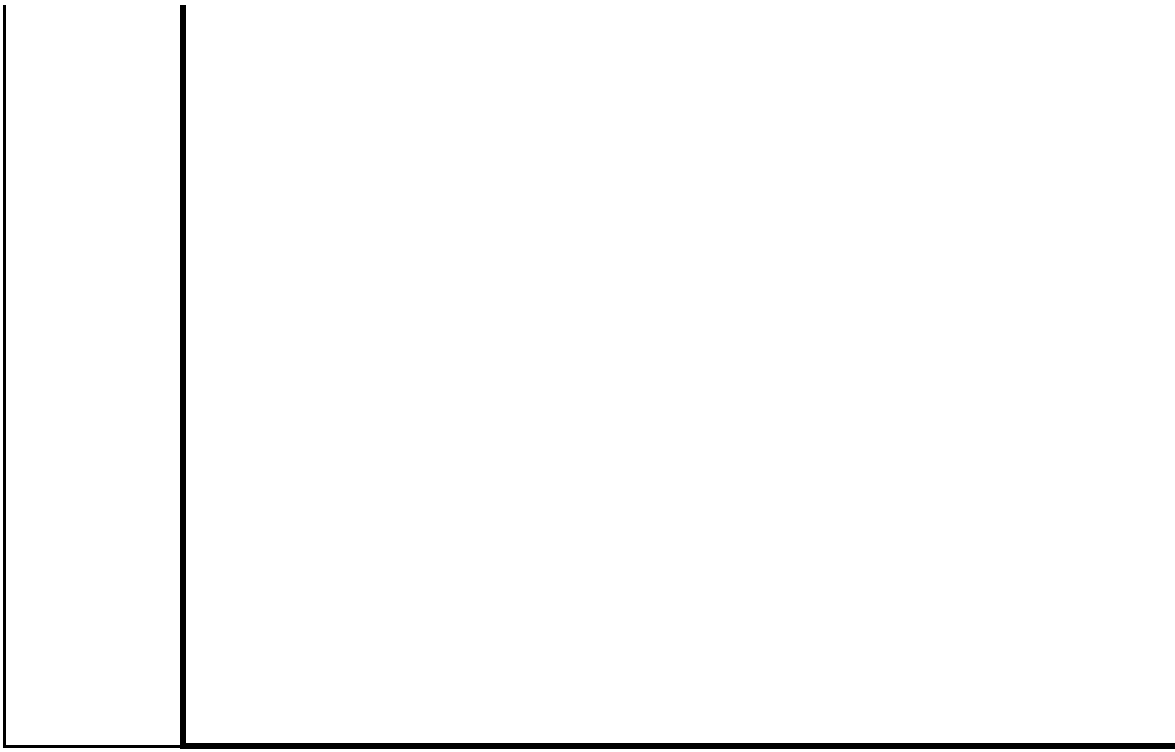
PSO5. Study the morphological and physiological functioning of various animal species.

PSO6. Study the use of commercially important fauna.

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**Course Outcomes**

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Zoology I: (Animal Systematics and diversity I & II)

Course Code- ZY-101

CO1. Learned the evolution in non-chordate and chordate animals, their distinguishing characteristics and importance.

CO2. Learned the specific activities in animals like metamorphosis, mimicry, larval forms etc.

Zoology II: (Fundamental of cell Biology & genetics)

Course Code- ZY-102 CO1.Learned the structure and functions of types of cells, cell organelles, cell cycle and scope of the cell biology.

CO2. To highlight the potential of various branches to become an entrepreneur.

Zoology III:

Course Code- ZY-103

CO1. Equipped the students with skills related to laboratory and field based studies.

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Zoology I: (Animal Systematics and diversity III & IV)

Course Code- ZY-211

CO1.To study the external as well as internal characters of non chordates and chordates.

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CO2. Understand various processes like Digestion, Locomotion, Respiration, Excretion, Nervous system.

CO3. Understand the Characters of class Asterias with help of animal, Sea star.

Zoology II: (Applied Zoology I & II)  
Course Code- ZY- 212

CO1. To aware the students about fisheries, apiculture and sericulture and its economical importance.

CO2. Understand the Bee keeping equipments and apiary management.

CO3. explain the ecology, morphology and life history of medical and agricultural pest.

CO4. This is a job oriented subject.

Zoology III:

Course Code- ZY-213

CO1. Equipped the students with identification skills related nonchordates & Chordates and field based studies.

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Zoology I: (Animal Systematics and diversity V )

Course Code- ZY- 331

CO1. Understand the external morphology and sexual dimorphism in chordates and non chordates.

Zoology II: (Mammalian histology )

Course Code- ZY- 332

CO1. Study and understand the various systems, adaptation and dentition in Mammals.

CO2. Study the derivatives of skin- horns, nails, hairs.

Zoology III: (Biochemistry)

Course Code- ZY- 333

CO1. Understand the structure and function of carbohydrate, amino acids, proteins, and lipids.

CO2. Understand the structure and properties of the enzymes as well as its activity.

Zoology IV: (Environmental biology)

Course Code- ZY- 334

CO1. Understand the Aquatic environment like Lotic habitat and Lentic habitat.

CO2. Develop a worldview related to an understanding of current environmental issues and how global problems affect us locally.

Zoology V: (Parasitology)

Course Code- ZY- 335

CO1. To aware the students for various parasites and diseases which spreads in human with the help of study of host-parasite relationship.

CO2. To increase awareness for the health in students.

Zoology VI: (Cell biology)

Course Code- ZY- 336

CO1. To study and understand the whole cell organelles with their structure and function.

CO2. Understand the various applications of cells by using cell biology like study of various types of tumour.

Zoology I: (Biological techniques)

Course Code- ZY- 341

CO1. Understand the Principle, parts, and its application of Microscopic techniques.

CO2. Understand the working principle of Centrifuge, Incubator, pH meter.

Zoology II: (Animal physiology)

Course Code- ZY- 342

CO1. Understand the Importance of physiology and branches of it.

CO2. Understand the Digestion and Excretion process, by studying the Organs of it.

CO3. Understand the disorders like asthma, bronchitis, swine flu, emphysema.

Zoology III: (Genetics and molecular biology)

Course Code- ZY- 343

CO1. Understand the Tools and Techniques in Molecular Biology

CO2. Understand the applications of animal biotechnology, Application of Recombinant DNA.

Zoology IV: (Evolution )

Course Code- ZY- 344

CO1. Understand the Origin and development of animals.

CO2. Understand the Lamarkism, Neo-Lamarkism and Darwinism.

CO3. To aware the students for Palaeontology i.e. Fossils and its significance.

Zoology V: (General embryology )

Course Code- ZY- 345

CO1. Understand the terms:

Gametogenesis, Fertilization and early development.

CO2. Understand the Morphogenesis and organogenesis in animals.

Zoology VI: (Basic entomology )

Course Code- ZY- 346

CO1. Understand the basic structure of body organization of insects.

CO2. Classify insects based on their economic importance and roles in applied entomology.

Zoology VII:

Course Code- ZY-347 CO1.

Equipped the students with identification skills related to nonchordates & Chordates

Zoology VIII:

Course Code- ZY-348

CO1. Expertization of students in biochemical and molecular analysis, environmental and evolutionary

Zoology VIII:

Course Code- ZY-348

CO1. Expertization of students in studying parasitic life cycles, adaptations with their hosts & their control measures.

CO2. Isolation of embryological stages & their age determination