

केल्याने होत आहे रे I आधी केलेची पाहिजे II

Bhartiya Shikshan Prasarak Sanstha Amabajogai's

**Shri Siddheshwar Mahavidhalaya, Majalgaon**



## Internal Quality Assurance Cell

### Criterion 2 - Teaching Learning and Evaluation

#### 2.6.1 Course Outcomes

**IQAC Coordinator**  
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# INTERNAL QUALITY ASSURANCE CELL

## COURSE OUTCOMES

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## **COS: PHYSICS**

### **F. Y. B. Sc. Course Code PHY-111- Paper – I**

#### **Mechanics and Properties of Matter**

- CO1:** To familiarize students with basic concepts of Mechanics.
- CO2:** To have deep understanding of Newton's laws of gravitation and their applications.
- CO3:** To understand the concepts of viscosity and elasticity thoroughly.
- CO4:** To understand the phenomena of surface tension and its applications.
- CO5:** To understand the concept of ultrasonic and acoustics effectively.
- CO6:** To enable students to solve numerical problems involving topics covered.

#### **Course Code PHY- 112 Paper- II: Heat and Thermodynamics**

- CO1:** To understand the concept of thermal conductivity and its application.
- CO2:** To understand the concept of real gases and transform phenomena.
- CO3:** To enable students to understand the laws of thermodynamics and thermodynamic processes.
- CO4:** To study the concept of entropy thoroughly.
- CO5:** To study heat engines and their efficiency.
- CO6:** To enable students to solve numerical problems involving topics covered.

### **Semester II Course Code PHY-211 Paper – IV**

#### **Geometrical and Physical Optics**

- CO1:** To familiarize students with basic concepts of optics.
- CO2:** To have deep understanding of cardinal points of optical system.
- CO3:** To understand the concept of interference thoroughly.
- CO4:** To enable students to summarize the phenomena of diffraction and polarization.
- CO5:** To enable to solve numerical problems involving topics covered.

#### **Course Code PHY-212 Paper – V: Electricity and Magnetism**

- CO1:** To understand the basic concepts and laws in electrostatics.

**CO2:** To study the basic concepts and laws in dielectrics.

**CO3:** To get knowledge of the basic concepts and laws of magnetism.

**CO4:** To understand the basic concepts of Transient current.

**CO5:** To enable students to solve numerical problems involving topics covered

### **S. Y. B. Sc. Semester III Course Code PHY-201 Paper – VII**

#### **Mathematical, Statistical Physics and Relativity**

**CO1:** To familiarize students with the mathematical methods used in physics.

**CO2:** To familiarize students with the vector algebra.

**CO3:** To get acquaintance with the differential equations.

**CO4:** To familiarize students with partial differential equations.

**CO5:** To familiarize students with Classical and quantum Statistics.

**CO6:** To understand the concepts of special theory of relativity.

**CO7:** To apply these mathematical methods to solve problems in physics.

#### **Course Code PHY-202 Paper -VIII: Modern and Nuclear Physics**

**CO1:** To familiarize students with basic properties of nucleus.

**CO2:** To have deep understanding of radioactivity and its applications.

**CO3:** To familiarize students with nuclear forces and elementary particles.

**CO4:** To understand construction and working of various particle accelerators and detectors.

**CO5:** To understand construction and working of photoelectric effect.

**CO6:** To study different photoelectric cells.

**CO7:** To enable students to solve numerical problems involving topics covered.

#### **Semester IV Course Code PHY-205 Paper - XI: General Electronics**

**CO1:** To familiarize students with the basic electronic components.

**CO2:** To understand the concept of semiconductors.

**CO3:** To have deep knowledge about semiconductor devices.

**CO4:** To familiarize with the transistor circuits and their characteristics.

**CO5:** To understand oscillators and multi vibrators.

**CO6:** To understand the process of modulation and demodulation.

**CO7:** To solve numerical problems involving topics covered.

### **Course Code PHY-206 Paper - XII: Solid state Physics**

**CO1:** To familiarize students with basic concepts of structure of solids.

**CO2:** To familiarize with various types of characterization techniques.

**CO3:** To understand the concept of bonding and band theory of solids deeply.

**CO4:** To understand the transport properties thoroughly.

**CO5:** To enable students to solve numerical problems involving topics covered.

### **B. Sc. T. Y. Semester V Course Code PHY- 301 Paper- XV**

#### **Classical and Quantum Mechanics**

**CO1:** To understand the mechanics of the system of particles.

**CO2:** To understand d'Alembert, principle, Lagrange's Equation and its application.

**CO3:** To familiarize students with the historical background of Quantum Mechanics.

**CO4:** To understand the wave function and its physical interpretation clearly.

**CO5:** To familiarize with the time dependent and time independent Schrodinger equations and their applications.

**CO6:** To familiarize students with various operators used in Quantum Mechanics.

**CO7:** To enable students to solve numerical problems involving topics covered

### **Course Code PHY-302 Paper-XVI: Electrodynamics**

**CO1:** To familiarize students with various differential operators to study the Gauss law.

**CO2:** To familiarize with basic concepts and equations related to time varying fields such as Faraday's law, Lenz law etc.

**CO3:** To write expression for Poynting vectors for electromagnetic waves.

**CO4:** To enable to write wave equations.

**CO5:** To solve numerical problems involving topics covered.

### **Semester VI Course Code PHY-305 Paper-XIX**

#### **Atomic, Molecular Physics and LASER**

**CO1:** To familiarize students with conceptual development of atomic model.

**CO2:** To understand one or two valence electron systems deeply.

**CO3:** To understand Zeeman Effect, Paschen back effect, Stark effect.

**CO4:** To understand Molecular Raman Spectroscopy.

**CO5:** To have deep introduction to lasers.

- CO6:** To familiarize students with different types of laser.
- CO7:** To understand construction and working of various types of lasers.
- CO8:** To be aware with various applications of lasers.
- CO9:** To enable students to solve numerical problems involving topics covered.

**Course Code PHY-306 Paper-XX: Non-conventional Energy sources and Optical Fibers**

- CO1:** To introduce students with various types of renewable energy sources.
- CO2:** To familiarize students with various applications of solar energy.
- CO3:** To familiarize students with various applications of biomass energy.
- CO4:** To familiarize students with the wind mechanics.
- CO5:** To create awareness among students about energy conservation.
- CO6:** To familiarize students with optical fibers.
- CO7:** To familiarize students with various applications of optical fibers.
- CO8:** To enable students to solve numerical problems involving topics covered.

<b>Department of Chemistry - Course Outcomes</b>	
<b>Course</b>	<b>Outcomes</b>
F.Y. Sem. – I, Paper – I , Inorganic Chemistry	To enable students to learn about - Atomic structure, orbitals, shapes, Different bondings, periodic properties, atomic and ionic radii, ionization energy, Electron affinity, Electronegativity, comparative study of S & P block elements, Hybridisation and geometry, MOT.
F.Y. Sem. – I, Paper – II , Organic Chemistry	To study the basics - Drawing of organic molecules & arrow pushing concept, Aromaticity concept, Structure, Nomenclature, Preparation & reactions of organic compounds, Stereochemistry of organic compounds, reactions regarding alcohols and phenols.
F.Y. Sem. – II, Paper – IV , Physical Chemistry	Students acquire the knowledge of mathematical operations, thermodynamics about systems and different processes, efficiency of engines and entropies of substances, Also, from chemical kinetics, rate of chemical reactions, factors affecting the rate of reaction can be useful for students. Students also learn the various basic gas laws and behaviour of real gases at different conditions.
F.Y. Sem. – II, Paper – V, Applied Chemistry	Students would know about drugs, glass, analysis of fertilizers, basic principles of chromatography, ultraviolet spectroscopy.
F.Y. Sem. – I & II, Paper – III + VI, Organic+Inorganic +Physical Chemistry Practical	Students would know about analysis of organic compounds with detection of elements, functional groups, physical constant. Organic preparations, Students can perform Volumetric analysis and semi micro analysis. Chromatographic techniques, Students become familiar with chemistry lab with new instruments, glasswares, students learn the practical concept of heat capacity, entropy of neutralization, ionization, and also they learn effect of temp. On solubility of substances, viscous nature of diff. liquids and handling of staglamometer, they also understand the effect of acid strength on hydrolysis process.
S.Y. Sem. – III, Paper – VII, Organic Chemistry	Students should be able to understand synthesis, properties of some important compounds like alcohols, phenols, aldehydes and ketones, carboxylic acids, compounds of nitrogen.
S.Y. Sem. – III, Paper – VIII, Physical Chemistry	Students get the knowledge of different forms of energy, their transformations. Work done in various processes.
S.Y. Sem. – IV, Paper – X, Inorganic Chemistry	Properties of first transition series, co-ordination compounds, valence bond theory, properties of lanthanides & actinides compounds, concept of acid & base, properties of non-aqueous solvent.



S.Y. Sem. – IV, Paper – XI, Physical Chemistry	This section teaches the students about the different types of cells, which are generally used in different fields. Also, students get the knowledge of phases and their degree of freedom.
S.Y. Sem. – III + IV, Paper – IX Physical + Inorganic Chemistry, Practical	Students acquire the knowledge of different instruments. Also student get the information about the solution preparation of various concentrations. Students will be able to perform complexometric titrations, and gravimetric estimations.
S.Y. Sem. – III + IV, Paper XII – Physical + organic Chemistry, Practical	To synthesize organic derivatives and to determine physical constants, To carry organic estimations. Students do the experiments with glass wares therefore they get the skill of handling the glass wares with preparations of solutions and plotting of graphs with mathematical calculations.
T.Y. Sem. – V, Paper – XIII, Physical Chemistry	Students acquire the knowledge of quantum mechanics. Applications of photochemistry will be useful for the knowledge of students. Students can decide the different molecular structures using physical properties like dipole moments, surface tensions etc.
T.Y. Sem. – V, Paper – XIV, Organic Chemistry	Students should know organic spectroscopic techniques, details about organometallic compounds and fats, oils and detergents, some active methylene compounds.
T.Y. Sem. – VI, Paper – XVI, Inorganic Chemistry	Metal-ligand bonding, Electronic spectra in transition metal complex, classification & properties of organometallic compounds, biological role of alkali & alkaline metal ions, nitrogen fixation, chromatography & its classification.
T.Y. Sem. – VI, Paper – XVII, Organic Chemistry	Students will know structure, synthesis and properties of heterocyclic compounds, some compounds like polymers, carbohydrates, drugs and dyes will be introduced to students.
T.Y. Sem. – V + VI, Paper – XV Organic + Inorganic Chemistry Practical	To carry out separation and identification of binary mixture i.e. to analyze compound in respect to elements, functional group, physical constant, students will be able to perform semi micro analysis, estimations by volumetrically and gravimetrically.
T.Y. Sem. – V + VI, Paper – XVIII, Organic + Physical Chemistry Practical	Students get the knowledge of colorimeter, potentiometer, and conductometer for the different experiments. Also, student acquire the skills of handling various glasswares. To synthesize organic compounds and to check their purity by TLC and physical constants, To carry organic estimations.

## **COs: Computer Science**

### **Computer Fundamental Course code: CSO1**

- CO1:** Make the students familiar with Computer environment.
- CO2:** Familiarize with the basics of Operating System and business communication tools
- CO3:** Identify the parts of the computer system.
- CO4:** Adequately explain functioning of computer components.
- CO5:** Explain the process of problem solving using computer
- CO6:** Design an algorithmic solution for a given problem

### **1.2 Digital Electronics: Course code: CSO2**

- CO1:** Get familiar with concepts of digital electronics
- CO2:** Learn number systems and their representation
- CO3:** Understand basic logic gates, Boolean algebra and K-maps
- CO4:** Study arithmetic circuits, combinational circuits and sequential circuits
- CO5:** Study comparative aspects of logic families.

### **Operating System (CSO4)**

- CO1:** To understand functions, structures and history of operating systems.
- CO2:** To understand design issues associated with operating systems.
- CO3:** To understand process management concepts including scheduling, synchronization, and deadlocks.
- CO4:** To familiarize with multithreading.
- CO5:** To study master concepts of memory management including virtual memory.
- CO6:** To understand master system resources sharing among the users.
- CO7:** To study issues related to file system interface and implementation, disk management.
- CO8:** To familiarize with protection and security mechanisms.

**Programming in C (CS05):**

**CO1:** To make the student learn a programming language.

**CO2:** To learn problem solving techniques.

**CO3:** To teach the student to write programs in C and to solve the problems.

**CO4:** Read, understand and trace the execution of programs written in C language.

**CO5:** Write the C code for a given algorithm.

**CO6:** Implement Programs with arrays and functions.

**Course code: CS07: Advance C-Programming.**

**CO1:** Understanding about to create user defined functions for specific task in c language.

**CO2:** Understanding about functions and its types and working.

**CO3:** Understanding use of user defined data types such as structures & unions.

**CO4:** Students will capable of dealing with memory using pointers.

**CO5:** Information about library functions and storage classes in c language.

**CO6:** Knowledge about preprocessor directives and different operators used in c language.

**CO7:** Dealing with Files stored on computer memory using File handling.

**Course code: CS08 - Data Structure:**

**CO1:** Student will be able to choose appropriate data structure as applied to specified problem definition.

**CO2:** Student will be able to handle operations like searching, insertion, deletion, traversing mechanism etc. on various data structures.

**CO3:** Students will be able to apply concepts learned in various domains like DBMS, compiler construction etc.

**CO4:** Students will be able to use linear and non-linear data structures like stacks, queues, linked list etc.

**Course Code: CS011 - Programming in CPP:**

**CO1:** To understand basic object oriented concepts & issues involved in effective class design.

**CO2:** To write C<sup>++</sup> programs that use object oriented concepts such as information hiding, constructors, destructors, inheritance etc.

**Course Code: CS012 - DBMS Using SQL:**

**CO1:** To know about database system basic concepts, architecture, features, purpose, advantage of DBMS.

**CO2:** Learning about Component of a DBMS: Users, Facilities & Structure.

**CO3:** Learning about Data Modeling & Design.

**CO4:** Learning about Entity-Relationship Data Model.

**CO5:** Understanding about basics of relational model, normalization, relational algebra.

**CO6:** Introduction to oracle s/w.

**CO7:** Student will able to deal with database system using SQL to manipulate data.

**CO8:** Information about physical storage of data.

**CO9:** Knowledge about architecture of database system.

**CO10:** Learning about transaction processing and concurrency control.

**CS015- Software Engineering:**

**CO1:** To manage the selection and initiation of individual projects and of portfolios of projects in the enterprise.

**CO2:** To conduct project planning activities that accurately forecast project costs, timelines, and quality.

**CO3:** To implement processes for successful resource, communication, and risk and change management.

**CO4:** To demonstrate effective project execution and control techniques that result in successful projects.

**CO5:** To conduct project closure activities and obtain formal project acceptance.

**CO6:** To demonstrate a strong working knowledge of ethics and professional responsibility.

**CO7:** To demonstrate effective organizational leadership and change skills for managing projects, project teams, and stakeholders.

### **CSO16- Web Designing**

**CO1:** To understand the structure and model of the programming language HTML and HTML5.

**CO2:** Indicate the general concepts of HTML scripting language.

**CO3:** To develop Web pages in HTML5.

**CO4:** Using CSS and CSS3 for Design Purpose.

**CO5:** Develop dynamic web application in JavaScript and VB Scrip

**CO6:** This subject acquire basic and advance knowledge for Designing Web Pages.

### **CSO19 -Data Communication and Networking:**

**CO1:** Understand different types of networks, various topologies and application of networks.

**CO2:** Understand types of addresses, data communication.

**CO3:** Understand the concept of networking models, protocols, functionality of each layer.

**CO4:** Learn basic networking hardware and tools.

**CO5:** Understand wired and wireless networks, its types, functionality of layer.

### **CSO20- E-Commerce:**

**CO1:** Discuss the way E-commerce affects business models and strategies.

**CO2:** Interpret the different types of E-commerce.

**CO3:** Describe the steps that should be taken to create an E-commerce business.

**CO4:** Determine the most significant security risks in the E-commerce environment.

**CO5:** Differentiate procurement and supply chains in B2B E-commerce.

**CO6:** Identify the security threats in the E-commerce environment.

## **COs: Botany**

### **B. Sc. Botany Diversity of Cryptogams-I**

**CO1:** Introduction about basic plant group like Algae and Fungi.

**CO2:** To equip the students with all life science fundamental practical skills.

**CO3:** Make aware about the economic and medicinal value of cryptogrammic plant.

### **Morphology of Angiosperms**

**CO1:** Introduction about basic structure of plants.

**CO2:** To develop practical knowledge of Angiosperm plants

### **Diversity of Cryptogams-II**

**CO1:** To understand the various category of plants with morphological features of Bryophytes and Pteridophytes.

**CO2:** Analyze the peculiar characteristics features of plant groups in relation with its internal characteristics.

**CO3:** Make aware of economic and medicinal value of cryptogrammic plant.

### **Histology, Anatomy and Embryology**

**CO1:** To get detail knowledge of internal structure of plant parts

**CO2:** To use this knowledge in Wood Industry, Forensic science.

**CO3:** To understand development of seed and seed certification.

### **Taxonomy of Angiosperm**

**CO1:** Familiarize with basic terminology, plant systematic and its different classification.

**CO2:** To identify Angiosperm plants and their use.

### **Plant Ecology**

**CO1:** Knowledge of anatomical characterization of plant for the understanding ecological adaptation.

**CO2:** Study its eco-friendly conservation and sustainable utilization.

**CO3:** Students cop up with the ecosystem mechanism, analyzing plants ecosystem.

### **Gymnosperms and Utilization of plants**

**CO1:** To make aware about the economic and medicinal value of Gymnosperms and Angiosperms.

**CO2:** To understand some important terminology in industrial economically important higher plant groups species.

### **Plant Physiology**

**CO1:** To understand plant physiology, different life process, streams like Plant genetics and Plant biotechnology.

**CO2:** To use the knowledge for advance study in plant sciences.

### **Cell and Molecular Biology**

**CO1:** To create the innovative approaches to aware the students in basic terminology of plant cell

**CO2:** To get the detailed knowledge of cell at molecular level.

**CO3:** To apply this information for development of humankind

### **Diversity of Angiosperms-I**

**CO1:** Create awareness about the plant resources

**CO2:** To classify plants on the basis of various morphological aspects

**CO3:** Participate in laboratory experiments for understanding the basic principles of life sciences and helpful for gaining primary information.

### **Genetics and Biotechnology**

**CO1:** To Study basic terms in Mendelian and Non mendelian genetics

**CO2:** To focus on Biotechnological importance for improvement and satisfaction of all need of human kinds

**CO3:** To give basic information regarding the plant biotechnology and its application in agriculture, Horticulture, medicinal and industrial crops.

### **Diversity of Angiosperms-II**

**CO1:** To study its eco-friendly conservation and sustainable utilization of plants

**CO2:** Knowledge about flora in the area.

## **COs: Zoology**

### **B. Sc. Zoology**

#### **Animal Diversity-I (Protozoa to Echinodermata)-I**

**CO1:** To create awareness about fundamental invertebrate animals in nature and their classification as phylum system anatomy and development.

**CO2:** To equip the students with all life science fundamental practical skills.

#### **Cell biology II**

**CO1:** To understand the important terminology structure and function important Cell organells in animal cell.

**CO2:** To study cell structure, process of cell division. Arthropoda to Echinodermata &

#### **Diversity of Chordata –II ( Protochordata to Mammals)-IV**

**CO1:** To introduce the students to higher invertebrates, morphological features, evolutionary development and connecting links and adaptations.

**CO2:** To analyze the peculiar characteristics of animal groups in relation with its internal characteristics.

#### **Genetics-V**

**CO1:** To understand some important terminology in Genetics, Laws, & its applications

**CO2:** To observe and calculate probabilities in cross, heredity and variations in.

#### **Vertebrate Zoology**

**CO1:** To familiarize with basic terminology, Animal systematics and its different Classification, Anatomy and development.

**CO2:** To understand classification, morphological structures, identification of specimens and anatomy of some animals, embryological process of development

#### **Genetics-II**

**CO1:** To create awareness of mechanism of protein synthesis, DNA fingerprinting, Recombinant DNA technology, various methods employed for rDNA.

**CO2:** To understand mechanism of protein synthesis, problems on genetics.

#### **Animal physiology**

**CO1:** To study different animal processes

**CO2:** To understand life processes through experiments.

#### **Biochemistry & Endocrinology**



**CO1:** To focus on biochemical processes, metabolism and catabolism process.

**CO2:** To inculcate the knowledge for advance study in biochemical reactions, analysis instruments principle & use.

### **Ecology**

**CO1:** To study basic terms and subject application in life Sciences

**CO2:** To understand the basic information of types of ecosystems, role of living things in ecosystems, deals with basic ecological concepts.

**CO3:** To analyze biotic and abiotic factors, animal interactions etc.

### **Fishery Science-I**

**CO1:** To familiarize with basic terminology of Pisces, biodiversity of insect, its classification and general characters.

**CO2:** To understand morphology, economic importance and anatomy of Fishes.

**CO3:** To understand useful Fishes and their role in Fish industry.

**CO4:** Students can participate in fish collection and their identification to understand Fish ecology.

### **Evolution**

**CO1:** To study basic terms and subject application in life Sciences.

**CO2:** To participate in laboratory experiments for understanding the basic principles of evolution through models and helpful for gaining primary information.

### **Fishery Science -II**

**CO1:** To understand the useful Fishes in Medical Industries as a Medicine.

**CO2:** To familiarize students with basic terminology Fishes.

**CO3:** To identify and classify Fishes and their life cycle surviving in Water bodies.

**CO4:** To know the appliances as a Value added Product.

## Department of Mathematics - Course Outcomes

Course	Outcomes
F.Y. Sem. – I, Paper – I (MAT-101) : Differential Calculus	<p>In mathematics, differential calculus is a subfield of calculus-concerned with the study of the rates at which quantities changes. Study in differential calculus is the derivative of function, related notion such as the differential and their applications. The derivative of a function at a chosen input value describes the rate of change of the function near that input value. The process of finding a derivative is called differentiations.</p>
F.Y. Sem. – I, Paper II (MAT-102) : Differential Equations	<p>This course will enable the students to :</p> <ol style="list-style-type: none"> <li>1) Apply a range to techniques to solve first and second order Partial differential equations.</li> <li>2) Model physical phenomena using partial differential equation such as the heat and wave equations.</li> <li>3) Understand problems, methods and techniques of calculus of variations.</li> </ol>
F.Y. Sem. – II, Paper – IX (MAT-201) : Integral Calculus	<p>Integral calculus concerned the study of the area beneath a curve. This course will enable the student to :</p> <ol style="list-style-type: none"> <li>1) Calculate the limit and examine the continuity of a function at a point.</li> <li>2) Understand the consequences of various mean value theorems for differentiable functions.</li> <li>3) Sketch curves in Cartesian and polar coordinate systems.</li> </ol>
F.Y. Sem. – II, Paper – X (MAT-202) : Geometry	<p>Geometry is concerned with the various aspects of size, shape and space. In this course we explore the concepts of angles, shapes, symmetry, area and volume through interactive activities.</p> <p>After studying this course, student should be able to:</p> <ol style="list-style-type: none"> <li>1) Understand Geometrical terminology for angles, triangles, quadrilaterals and circles.</li> <li>2) Measure angles using a protractor.</li> <li>3) Use Geometrical results to determine unknown angles.</li> <li>4) Find the areas of triangles, quadrilaterals and circles and shapes based on these.</li> </ol>
S.Y. Sem. – III, Paper – III (MAT-301) : Number Theory	<p>Having successfully completed, this course student should be able</p> <ol style="list-style-type: none"> <li>1) Analyze hypotheses and conclusions of mathematical statements.</li> <li>2) Apply different methods of proof to verify mathematical assertions, including proof by induction, by contra positive and by contradiction.</li> <li>3) Solve systems of Diophantine equations using the Chinese Remainder Theorem and the Euclidean Algorithm.</li> <li>4) Understand the basics of modular arithmetic.</li> <li>5) State and prove Fermat's little theorem and it's generalization using Euler's function and use them to implement the RSA cipher and encrypt and decrypt log cipher.</li> </ol>
S.Y. Sem. – III, Paper – IV (MAT-302) : Integral Transforms	<p>On completion of this course, the students will be able to :</p> <ol style="list-style-type: none"> <li>1) Calculate the Laplace transform of standard functions both from the definition and by using tables.</li> <li>2) Select and use the appropriate shift theorems in finding Laplace and Inverse Laplace transforms.</li> </ol>

	<ol style="list-style-type: none"> <li>3) Select and combine the necessary Laplace transform techniques to solve second-order ordinary differential equations involving the Dirac delta.</li> <li>4) Calculate the Fourier transform of elementary functions from the definition.</li> <li>5) Solve ordinary differential equations using Laplace transforms.</li> <li>6) Learn Fourier series, Bessel's inequality term by term differentiation and integration of Fourier series.</li> <li>7) Apply the concepts of the course in real life problems.</li> </ol>
S.Y. Sem. – III, Paper – V (MAT-303) : Mechanics-I	<p>This course will enable the students to :</p> <ol style="list-style-type: none"> <li>1) Understand the reduction of force system in three dimensions to a resultant force acting at a base point and a resultant couple, which is independent of the choice of base of reduction.</li> <li>2) Learn about a null point, a null line and a null plane with respect to a system of forces acting on a rigid body together with the ideal of central axis.</li> <li>3) Study the kinematics and Kinetics of fluid motions to understand the equation of continuity in Cartesian, cylindrical polar and spherical polar coordinates which are use to derive Euler's equations and Bernoulli's equations.</li> </ol>
S.Y. Sem. – IV, Paper – XI (MAT-401): Numerical Methods.	<p>This course will enable the students to:</p> <ol style="list-style-type: none"> <li>1) Obtain numerical solutions of algebraic and transcendental equations.</li> <li>2) Find numerical solutions of system of linear equations and to the check the accuracy of the solutions.</li> <li>3) Learn about various interpolation and extrapolation methods to find numerical solution (intermediate solution).</li> <li>4) Solve initial and boundary value problems in differential equations using numerical methods.</li> <li>5) Apply various numerical methods in real life problems.</li> </ol>
S.Y. Sem. – IV, Paper – XII (MAT-402) : Partial Differential Equations	<p>After the completion of the course, student will be able to:</p> <ol style="list-style-type: none"> <li>1) Classify partial differential equations and transform into canonical form.</li> <li>2) Solve linear partial differential equations of both first and second order.</li> <li>3) Apply partial derivative equation techniques to predict the behavior of certain phenomena.</li> <li>4) Apply specific methodologies, techniques and resources to conduct research and produce innovative result in the area of specialization.</li> <li>5) Extract information form partial derivative models in order to interpret reality.</li> <li>6) Identify real phenomena as models of partial derivative equations.</li> </ol>
S.Y. Sem. – IV, Paper – XIII (MAT-403) : Mechanics-II	<p>This course will enable the student to :</p> <ol style="list-style-type: none"> <li>1) Familiarize with subject matter, which has been the single center to which were drawn mathematicians, physicists, astronomers and engineers together.</li> <li>2) Understand necessary conditions for the equilibrium of particle acted upon by various forces and learn the principle</li> </ol>

	<p>of virtual work for a system of coplanar forces acting on a particle.</p> <ol style="list-style-type: none"> <li>3) Determine the centre of gravity of materialistic systems and discuss the equilibrium of a uniform cable hanging freely under its own weight.</li> <li>4) Deal with the kinematics and kinetics of the rectilinear and planar motions of a particle including the constrained oscillatory motions of particles.</li> </ol>
T.Y. Sem. – V, Paper –VI (MAT-501) : Real Analysis-I	<p>This course will enable the students to :</p> <ol style="list-style-type: none"> <li>1) Understand basic properties of real number system such as least upper bound property and order property.</li> <li>2) Realize importance of bounded, convergent, Cauchy and monotonic sequences of real numbers, find their limit superior and limit inferior.</li> <li>3) Apply various tests to determine convergence and absolute convergence of a series of real numbers.</li> <li>4) Learn about Riemann inerrability of bounded functions and algebra of R-integral functions.</li> <li>5) Determine various applications of fundamental theorem of integral calculus.</li> <li>6) Relate concepts of uniform continuity, differentiation, integration and uniform convergence.</li> </ol>
T.Y. Sem. – V, Paper –VII (MAT-502) : Abstract Algebra-I	<p>This course will enable the students to :</p> <ol style="list-style-type: none"> <li>1) Employ De-Moiver’s theorem in a number of applications to solve numerical problems.</li> <li>2) Learn about the fundamental concepts of groups, subgroups, normal subgroups, isomorphism, cyclic and permutation groups.</li> <li>3) Recognize consistent and inconsistent systems of linear equations by the row echelon form of the augmented matrix, using rank.</li> <li>4) Find Eigen values and corresponding eigenvectors for a square matrix.</li> <li>5) Understand subspaces, basis, dimension and their properties.</li> </ol>
T.Y. Sem. – V, Paper –VIII (MAT-504) : Ordinary Differential Equations-I	<p>This course will enable the students to :</p> <ol style="list-style-type: none"> <li>1) Understand the genesis of ordinary differential equations.</li> <li>2) Learn various techniques of getting exact solutions and solvable first order differential equations and linear differential equations and highly order.</li> <li>3) Know Piscard’s method of obtaining successive approximations of solutions of first order differential equations, passing through a given point in the plane and power series method for highly order linear equations, especially in case when there is no method available to solve such equations.</li> <li>4) Grasp the concept of a general solution of linear differential equation of an arbitrary order and also learn a few methods to obtain the general solution of such equations.</li> <li>5) Formulate mathematical models in the form of ordinary differential equations to suggest possible solutions of the day to day problems arising in physical chemical and</li> </ol>

	biological disciplines.
T.Y. Sem. – VI, Paper –XIV (MAT-601) : Real Analysis-II	<p>This course will enable the students to:</p> <ol style="list-style-type: none"> <li>1) Understand many properties of the real line <math>\mathbb{R}</math> and learns to define sequence in terms of functions from <math>\mathbb{R}</math> to a subset of <math>\mathbb{R}</math>.</li> <li>2) Recognize bounded, convergent, divergent, Cauchy and monotonic sequences and to calculate their limit superior, limit inferior and the limit of a bounded sequence.</li> <li>3) Apply the ratio, root, and alternating series and limit comparison tests for convergence and absolute convergence of an infinite series of real numbers.</li> <li>4) Learn some of the properties of Riemann integrable functions and the applications of the fundamental theorems of integration.</li> </ol>
T.Y. Sem. – VI, Paper –XV (MAT-602) : Abstract Algebra-II	<p>This course will enable the students to :</p> <ol style="list-style-type: none"> <li>1) Understand the concepts of vector spaces, subspaces, bases, dimensions and their properties.</li> <li>2) Relate matrices and linear transformations; compute Eigen values and Eigen vectors of linear transformations.</li> <li>3) Linear properties of inner product spaces and determine orthogonality in inner product spaces.</li> <li>4) Realize importance of adjoint of a linear transformation and its canonical form.</li> </ol>
T.Y. Sem. – VI, Paper –XIV (MAT-604) : Ordinary Differential Equations-II	<p>This course will enable the students to :</p> <ol style="list-style-type: none"> <li>1) To explain the concept of differential equations.</li> <li>2) Classifies the differential equations with respects to their order and linearity.</li> <li>3) Explains the meaning of solution of a differential equation.</li> <li>4) Expresses the existence-uniqueness theorem of differential equations.</li> <li>5) To solve first order ordinary differential equations.</li> <li>6) Solves the homogeneous linear differential equations with constant coefficients.</li> </ol>

B.S.P.S. Ambajogai's

## Shri Siddheshwar Mahavidyalay, Majalgaon

Department of English

Course Outcomes: B.A. English compulsory English Optional

### COs English

B.A. English, Students will be able to.....

**CO01:** Understand the structure of English Language.

**CO02:** Help the students attain communicative competence so that they can use language accurately and appropriately.

**CO03:** Understand the basic principles of phonetics and phonology.

**CO04:** Demonstrate the ability to produce correct and effective professional-level academic writing.

**CO05:** Identify and describe some non-standard varieties of spoken English.

**CO06:** Increase grammatical accuracy, academic vocabulary, reading, writing and revision skills through a variety of reading and writing assignments

**CO07:** Present on academic topics, demonstrating improved oral language fluency while developing listening comprehension skills.

#### **B. A. Optional English Paper I/II, III/IV: Forms of Literature**

**CO1:** To make the students aware of basic concepts of literature;

**CO2:** To make them aware of forms of literature;

**CO3:** To help the students develop their taste for literature and its judgment;

**CO4:** To make the students realize creative language and arts;

#### **B.A. Optional English Paper V/VI, VII/VIII Literature in English**

**CO1:** To make the students aware of literature in English;

**CO2:** To make them aware of diverse cultures presented in literature;

**CO3:** To help the students develop their ability to compare different literary worlds

### **B.A. III Optional English**

**CO1:** To introduce students to modern English Literature

**CO2:** To familiarize students with literary terms and introduce them with various literary evaluations.

**CO3:** To help learner to approach and appreciate Indian literature in English and make them see its place among world literature in English

**CO4:** Indian English literature and its diverse cultures reflected in writing.

**CO5:** To make students able to understand the background of English literature

**CO6:** To understand how literature of modern period relates to the important trends of the period.

**CO7:** To make the students aware of the fact that all readers are critics and introduce them to basic texts in criticism while developing critical thinking in them.

**CO8:** To introduce students to the thematic concerns, genres and trends of both Indian writing in English and American literature

**CO9:** To lead the students to see how texts are affected by context

### **Paper IX & XIII: Twentieth Century English Literature Semester V Contents: Unit One: Poetry**

On successful completion of the course, the student will be able to:

**CO1:** Understand how the literature of modern period relates to the important trends of 20<sup>th</sup> century.

**CO2:** Appreciate poem by T.S. Eliot and W.B. Yeats.

**CO3:** Comment on the themes of Osborne and G.B. Shaw plays.

**CO4:** Understand Character setting in the novel of Kingsley Amiss and D.H. Lawrence

### **Paper X & XIV: Introduction to Literary Criticism and Terms Semester**

On successful completion of the course, students will be able to....

**CO1:** Identify and discuss classical Greek critics of literature.

**CO2:** Provide a brief overview of major critical theories by critics like Aristotle, Sir Philip Sidney,

William Wordsworth and F.R. Levis

**CO3:** Learn the terms related to various genres of literature

**CO4:** cultivate an understanding of major critical and interpretive methods.

### **Paper XI & XV: Indian Writing in English**

After studying the course, the learners will be able to.....

**CO1:** To understand nineteenth Century Reform – Movements in India; the Indian National Movement; Rise of the Indian Novel and Caste-Class.

**CO2:** To become aware of social, political, and cultural issues reflected in Indian Writing in English, with reference to Indian social reformations, freedom struggle, women education and empowerment in nineteenth century.

**CO3:** To appreciate artistic and innovative use of language employed by writers to install values and develop human concern through literary texts.

**CO4:** To familiarize students with emergence and growth of Indian Writing in English in the context of colonial experience.

**CO5:** To discuss issues concerning Indian Writing in English such as representation of culture, identity, history, constructions of nation, (post) national and gender politics, cross-cultural transformations.

### **Paper XII & XVI: Project Work on History of English Literature**

**CO1:** English literature and empower learners on its development.

**CO2:** To understand different aspects of research methodology.

**CO3:** To write research papers.

**CO4:** To understand new trends, movements in English literature.



## Department of Hindi – Course Outcome

Course	Outcomes
B.A./B.Sc./B.Com. F.Y. {S.L.} Sem. – I, Paper – I	इस प्रश्न पत्र से छात्रों को हिंदी साहित्य के बारे में अलग कहानियों अलग-। है उठाना कदम से कौन हेतु रक्षा उसकी और संस्कृति जरिए के तथा प्रयोजनमूलक हिंदी के पाठ्यक्रम से व्यवसाय और व्यावहारिक हिंदी की जानकारी मिलती है ।
B.A. F.Y. {Opt.} Sem. – I, Paper – I	छात्रों को हिंदी साहित्य का इतिहास के जरीये आदिकाल,भक्तिकाल तथा रीतिकाल की प्राचीन सभ्यता तथा सामाजिक,राजनीतिक,धार्मिक तथा सांस्कृतिक परिस्थिती की जानकारी मिलती है । तथा सूरदास,कबीरदास,तुलसीदास तथा रहीम की दोहे के बारे में जानकारी मिलती है ।और समाज में किस प्रकार से रहन-सहन करना है इससे छात्र परिचित हो जाते है ।
B.A. F.Y. {Opt.} Sem. – I, Paper – II	आधुनिक कविताओं के जरीये सामाजिक,सांस्कृतिक,धार्मिक तथा शैक्षिक परिस्थिती से छात्र परिचित हो जाते है ।तथा प्राचीनकाल की परिस्थिती तथा आधुनिक काल की परिस्थिती के अंतर को समज लेते है ।
B.A./B.Sc. S.Y. {S.L.} Sem. – III, Paper – III	गद्य के विविध आयाम पढ़ने से बच्चों को यह ज्ञात होता है कि, हर इंसान को शून्य से ही निर्माण करना पड़ता है। प्राणियों और पक्षियों के ऊपर प्रेम करना चाहिए। प्रयोजनमूलक हिंदी में शिक्षा ही मातृभाषा से होना चाहिए इससे बच्चों की सर्वांगीण विकास हो सकता है ,इसकी जानकारी मिलती है ।
B.Com S.Y. {S.L.} Sem. – III, Paper – III	सामान्य हिंदी पढ़ने से बच्चों को यह ज्ञात होता है कि मातृभाषा शिक्षा पद्धति को हम आसानी से सीख सकते हैं। आज वैश्वीकरण में हिंदी भाषा को महत्व है। और व्यापार करने और संप्रेषण कला का ज्ञान इसकी जानकारी मिलती है ।
B.A. S.Y. {Opt} Sem. – III, Paper – V	कथेत्तर गद्य साहित्य पढ़ने से बच्चों को यह लाभ होता है कि भारतीय संस्कृति, विविध धर्मों के बारे में, विविध त्योहारों के बारे में, आजादी के लिए संघर्ष की गाथा पढ़ने से बच्चों को मन में ही राष्ट्रीय एकात्मता निर्माण होती है।
B.A.S.Y.{Opt} Sem. – III, Paper – VI	प्रयोजनमूलक हिंदी में सरकारी कार्यालयों तथा निमसरकारी कार्यालयों में हिंदी के प्रयोग के कारण कार्यालय कामकाज में किस तरह सुधार आता है तथा भाषिक कौशल्य की दृष्टि से शुद्धता, राजभाषा, राज्यभाषा, राष्ट्रभाषा के रूप में हिंदी की जानकारी मिलती है ।
B.A.T.Y.{Opt} Sem. – V, Paper – IX	प्रादेशिक भाषा साहित्य के जरिए विशिष्ट भूप्रदेश की भाषिक विशेषता वहां की खानपान और संस्कृति के विभिन्न तत्वों की जानकारी मिलती है।
B.A.T.Y.{Opt} Sem. – V, Paper – X	आदि तथा मध्यकालीन साहित्य का इतिहास पढ़ने से हमें यह ज्ञात होता है कि उस काल के सामाजिक, धार्मिक, आर्थिक और राजनीतिक परिस्थिति और आज की स्थिति में क्या अंतर है तथा भक्ति ,श्रद्धा और प्रेम ही दुनिया में सबसे महत्वपूर्ण है, यह जानकारी मिलती है।
B.A.T.Y.{Main} Sem. – V, Paper – XI	साहित्यशास्त्र पढ़ने से बच्चों को यह लाभ होता है किसे पढ़ने साहित्य, भाव, कल्पना और शैली का विकास होता है। इसकी जानकारी मिलती है ।
B.A.T.Y.{Main} Sem. – V, Paper – XII	प्रकल्प साहित्य के प्रश्न पत्र से छात्रों को विशिष्ट विषय पर प्रकल्प लेखन करके संशोधन पद्धति से परिचित करवाया जाता है ।महाविद्यालय

	जीवन से ही छात्रों के अंदर शोध वृत्ति जागृत करने का यह एक प्रयास है।
B.A./B.Sc./B.Com. F.Y. {S.L.} Sem. – II, Paper – II	इस प्रश्न पत्र से छात्रों को हिंदी साहित्य के बारे में अलग अलग-कविताओं के जरिए संस्कृति और उसकी रक्षा हेतु कौन से कदम उठाना है। तथा प्रयोजनमूलक हिंदी के पाठ्यक्रम से व्यवसाय और व्यावहारिक हिंदी की जानकारी मिलती है।
B.A. F.Y. {Opt.} Sem. – II, Paper – III	छात्रों को कथा साहित्य तथा दीक्षांत उपन्यास के जरीये छात्रों को यह ज्ञात होता है कि, शिक्षा की प्रासंगिक अवस्था से परिचित हो जाते हैं। तथा अलग हेतु रक्षा उसकी और संस्कृति जरिए के कहानियों अलग-है उठाना कदम से कौनविभिन्न इसकी जानकारी मिलती है।
B.A. F.Y. {Opt.} Sem. – I, Paper – IV	मध्ययुगीन कविताओं के जरीये सामाजिक, सांस्कृतिक, धार्मिक तथा शैक्षिक परिस्थिति से छात्र परिचित हो जाते हैं। तथा प्राचीनकाल की परिस्थिति तथा आधुनिक काल की परिस्थिति के अंतर को समझ लेते हैं।
B.A./B.Sc. S.Y. {S.L.} Sem. – IV, Paper – IV	गद्य के विविध आयाम में सभी स्त्रियों का सम्मान करना चाहिए, परिवार को महत्व देना चाहिए हर इंसान अंधश्रद्धा से दूर होना चाहिए। प्रयोजनमूलक हिंदी में जनसंचार माध्यम और वैज्ञानिक तकनीकी हिंदी का अत्यंत महत्वपूर्ण है। इसकी जानकारी मिलती है।
B.Com S.Y. {S.L.} Sem. – IV, Paper – IV	व्यवसाय, मीडिया, अनुवाद, व्यापार और बैंकों में हिंदी को महत्व है। यह सामान्य है हिंदी पढ़ने से बच्चों को यह लाभ होता है।
B.A. S.Y. {Opt} Sem. – IV, Paper – VII	भूमिजा यह प्रबंधकाव्य पढ़ने से यह ज्ञात होता है कि स्त्री की सहनशीलता और पुरुष की मर्यादा और महान राजा के बारे में हमें जानकारी मिलता है। चुनी हुई लंबी कविता में हर व्यक्ति को दुःख रहता है मगर दुःख से बाहर निकलना चाहिए इसकी जानकारी मिलती है।
B.A.S.Y. {Opt} Sem. – IV, Paper – VIII	प्रयोजनमूलक हिंदी में सरकारी कार्यालयों तथा निमसरकारी कार्यालयों में हिंदी के प्रयोग के कारण कार्यालय कामकाज में किस तरह सुधार आता है तथा भाषिक कौशल्य की दृष्टि से शुद्धता, राजभाषा, राज्यभाषा, राष्ट्रभाषा के रूप में हिंदी की जानकारी मिलती है।
B.A.T.Y. {Opt} Sem. – VI, Paper – XIII	मध्यकालीन कविता से संत साहित्य की महाराष्ट्र की पार्श्वभूमि को लेकर यहां के धार्मिक वातावरण पर किस प्रकार संत साहित्य का असर हुआ है इसकी जानकारी मिलती है।
B.A.T.Y. {Opt} Sem. – VI, Paper – XIV	आधुनिक हिंदी साहित्य का इतिहास पढ़ने से हमें यह लाभ होता है कि समाज में नयेन-ये परिवर्तन हो रहा है। परिवर्तन के साथ ही समाज में मानवतावादी दृष्टिकोण के साथ उस साहित्य को आधुनिकता के साथ कैसे जोड़ दिया जाए यह जानकारी मिलती है।
B.A.T.Y. {Main} Sem. – VI, Paper – XV	साहित्यशास्त्र पढ़ने से हमें यह ज्ञात होता है कि इंसान को सुंदर दिखने के लिए आभूषण )अलंकार( की आवश्यकता नहीं उसे ज्ञान की आवश्यकता होती है। साथ ही चारों ओर सोचकर निर्णय लेना चाहिए इसकी जानकारी मिलती है।
B.A.T.Y. {Main} Sem. – VI, Paper – XVI	प्रकल्प साहित्य के प्रश्न पत्र से छात्रों को विशिष्ट विषय पर प्रकल्प लेखन करके संशोधन पद्धति से परिचित करवाया जाता है। महाविद्यालय जीवन से ही छात्रों के अंदर शोध वृत्ति जागृत करने का यह एक प्रयास है।

## **COs : Marathi**

### **B. A. Marathi F.Y B.A, B.Sc. Marathi Paper I & II (S.L) Gadya Padya Upyojit Marathi**

**CO1:** Learners will get introduced to the literature of the writers from medieval and modern time.

**CO2:** Learners will be aware of the social, political, cultural and economic conditions of the times.

**CO3:** The style of prose, fiction and poetry will be introduced to the learners.

**CO4:** Awareness will be received about Marathi grammar and punctuations.

**CO5:** Development of language skill will be achieved for media.

### **F.Y. B.com Marathi Paper I (S.L.) Gadya Padya Ani Upayojit Marathi**

**CO1:** Marathi literature having tremendous facts to deal with, but we have work with our limited syllabus.

**CO2:** Short listing the syllabus and teaching students with the real facts and with each dialogue, sentence and phrase it helps the students to understand the philosophy of Marathi and to develop their thinking and reasoning skills and the most important on their communications skills.

**CO3:** Maharashtra state having heavy population of non marathies to whom Marathi is second language but it is very important to learn and focus on their second language because of need and communication, writing and expressing the views to others.

### **F.Y.B.A Marathi Paper I (Opt.) Kavytmak Sahitya**

**CO1:** Introduce student to Marathi Poetry.

**CO2:** Create interest in Marathi poetry & connect it to real life.

**CO3:** Understand various ideologies, movements in the history of Marathi poetry.

**CO4:** Importance of literature specially poetry in life.

### **F.Y.B.A Marathi Paper II (Opt) NATYATMAK WANGMAY**

**CO1:** Jyoti mapsekar and others authors are the eminent writers and orators of Marathi language , learning drama and understanding drama one of the achieving think of human and while dealing with Marathi drama. Its gets prior to understand to express the fabulousdramatics.

**CO2:** Drama is the way to understand to realistic view of life.

**CO3:** The expression, thoughts, ideas and all characteristic of human humanities is understood by drama.

**CO4:** It correlates the drama with are life we get to know the social religious and above human welfare.

### **F.Y. BA Marathi Paper III (Opt.) Kathatmak Sahitya**

**CO1:** Introduce student to Marathi story literature.

**CO2:** Create interest in Marathi stories & connect it to real life.

**CO3:** Understand various ideologies, movements in the history of Marathi language & literature.

**CO4:** Importance of literature in life.

### **F.Y. B.A. Marathi Paper IV (Opt) MUDRIT MADHAMASATHI LEKHAN KAUSHALUA**

**CO1:** Language is the only way the convey the message to everyone to express the filling and realistic view is only done by language

**CO2:** Sources like television, mobile, newspaper, magazine and etc. are the best medium to get know about external world in simpler way Marathi.

**CO3:** In our college we in coverage students to fulfill their ability and to acquired good opportunities and services in mass media

**B.A, B.Sc. Marathi Paper III&IV (Gadya Padya Upyojit Marathi)**

- CO1:** Students will get introduced to thoughtful writings.
- CO2:** Creation of awareness about meaning and history of folk culture.
- CO3:** Introduction to the different trends in literature of several authors will be given.
- CO4:** Understanding of literary analysis will be developed.
- CO5:** Awareness of literary syntax of Marathi language.
- CO6:** Raise interest in Marathi literature, different Ideology and types.
- CO7:** Introduction of information technology and social news media.
- CO8:** Develop art of living through study of literature.
- CO9:** Absorb knowledge of definitions of literature, science, official transactions.

**B. COM. Marathi Paper II (S.L) Marathi bhasha ani vanijya vavhar**

- CO1:** Give the knowledge of Marathi language of commerce & business.
- CO2:** How the language is used in offices, commerce field and business sector.
- CO3:** Need and the structure of the language.
- CO4:** Develop writing skill of commerce language.
- CO5:** Raise competency of through reading culture.

**S.Y. B.A. Marathi Paper V (Opt.) Aadhunik Marathi vangmayacha itihash. (1800-1920)**

- CO1:** Study of literature history after 1800.
- CO2:** Compact of social, cultural background, social movement ideology during 1800-1920 on literature.
- CO3:** Background, inspiration, importance of authors & their literary work in 1800-1920.
- CO4:** Study of translated literature & different types of literature like periodic, story, poetry, novel, biography, autobiography.

**S.Y.B.A, Marathi Paper Paper VI, VIII (Druk shravya Madhyamansathi lekhan kaushalya)**

**CO1:** Introduction to the function and structure of radio language.

**CO2:** Ideas will be offered for becoming anchor for radio.

**CO3:** Receiving of ideas for production of different programs on radio.

**CO4:** Understanding of different websites and webpages for media purposes.

**CO5:** Development of critical enquiry

**Marathi Paper VII (Opt.) Aadhunik Marathi vangmayacha itihis. (1800-1920)**

**CO1:** Theatre culture, tradition, development and emergence of Marathi theatre.

**CO2:** Father of Music play (sangit natak) Annasaheb kirloskar and his and his contribution.

**CO3:** Study of translated literature & different types of literature like periodic, story, poetry, novel, biography, autobiography.

**CO4:** Study of poetry, biography, autobiography and their speciality. Keshavasut (Father of modern Marathi poetry) and his contemporary.

**T.Y.B.A. Marathi Paper IX & XIII (OPT) (Bhartiy aani pashchimatya sahitya vichar)**

**CO1:** Introduce students basic scientific literature Indian and foreigner literature

**CO2:** Encourage the student on types of literature

**CO3:** To develop the clear concept of literature

**CO4:** Poetry is the begets way to Conway your message to other, to express to demonstrate andand to invite to new feeling and basic human character tics.

**CO5:** Marathi poetry is embedded with various forms of realistic human character like affection, anger and pleasure. the great diverse forms help student to create therehumanistic skill and sense of duty and empathy.

**CO6:** The core aim of language is communication which is bitterly explained in poetry.

**CO7:** However our aim must be to engender more in functional users of comfort and leisure. Poetry is one of the simplest way to do if and helps student understand others feeling in better way which is very important in this new generation.

**T.Y.B.A, Marathi Paper, X, XIV (Opt.) (Bhasha Vidnyan: Vyakran v Nibandha)**

**CO1:** Awareness about the structural patterns of sounds in Marathi.

**CO2:** Ideas about history and development of Marathi language and its spoken forms.

**CO3:** Ideas about consonants, vowels and their pronunciation will be gained.

**CO4:** Students will have clearer ideas of Marathi grammar in its forms like word formation, suffix & prefixes.

**CO5:** Learners will get introduced to dialects of Marathi language.

**T.Y. B.A. Marathi Paper XI (MAIN) Madhyayugin Marathi vangmayacha itihas. (Start to 1600)**

**CO1:** Introduction of Start age of Marathi & Mukundraaj.

**CO2:** Information of Mahanubhav Sect and their contribution in Marathi literature.

**CO3:** Specialty of ideology, philosophy of mahanubhav sect & their literary work.

**CO4:** Contribution of Varkari sampraday (sects) and their literary work.

**T.Y. B.A. Marathi Paper XI (MAIN) Madhyayugin Marathi vangmayacha itihas. (1601 - 1818)**

**CO1:** Introduction of Panditi sahitya and their inspiration, specialty and structure.

**CO2:** Information of pandit kavi and their literature.

**CO3:** Contribution of Shahiri literature, inspiration, structure and specialty.

**T.Y.B.A. Marathi Paper XII & XVI (Main Project)**

**CO1:** After working hard with student to convey the message or motto of with story, poem or drama we assemble the for a new where the student is and how much more practice and effectors students too have to do for their progress.

**CO2:** We allot them with a most effective project were they have to think and express their view were they student or most off develop full logic which helps them to create their own new thought and even to think more on core idea of project.

**CO3:** Project enhance their skills in thinking memorizing and implementing it in their real life which helps them to be a skill full and self dependent creature to express their view and to create a interest in Marathi language where many of them can be future pother ratheror good author in Marathi which focus on today's needs of good thinker or author.

## **M. A. Marathi Course Outcomes**

### **101. Adhunik Marathi wannngmayacha Itihas**

- CO1: To create the interest in modern history in Marathi literature.
- CO2: Cultivate interest in Marathi literature among students
- CO3: To develop and prepare the students in competitive examination
- CO4: To create the interest in literature self learning.
- CO5: To develop the comparative study on the Literature.

### **102 Sahitya Samikshechi Multatwe**

- CO1: To create the most valuable evaluate the literature.
- CO2: To develop the real fact of Marathi literature.
- CO3: To develop criticize skills.
- CO4: To develop the criticize review of book, cinema and drama
- CO5: To introduce the various types of samiksha

### **103. Bhashik kaushalya, Prasar Madheme wa Srujansheel Lekhan**

- CO1: To create the interest in literature.
- CO2: To develop the reading, writing and lessoning skills.
- CO3: To develop the skilful anchor on radio, television and radio jockey.
- CO4: To develop the creative writer.
- CO5: To create the social valuable Reporter, Sub editor and rural journalist.

### **104. Eka Lekhakacha Visesha abhyas Audhinik: Yaswantrao Chavan**

- CO1: To create the interest in Special author on read the literature
- CO2: Understand the various face problems in life on special Author
- CO3: Why contribution on sociality to the special author as known as the students
- CO4: To develop the Special author in face the problem and its solution
- CO5: To introduce students basic Writing and reading Special Author habit.

## **M.A. Marathi Paper II Year**

### **401. Wananatamk Bhasa Vidhyan**

- CO1: To develop the Nature of language on Marathi literature
- CO2: To make the students aware of the language skills
- CO3: To develop the linguistic approach
- CO4: Encourage and enable the students to read the various types of language
- CO5: Impart the skills and develop the ability among them to use Marathi language



#### **402. Adhunik Marathi wangmayatil pravaha**

- CO1: To develop the interest in new trends in modern Marathi in literature
- CO2: Create the interest in students in to the first hand experience of reading literature books
- CO3: To develop the introduce various types of literature to students
- CO4: To develop the bright thinking for Marathi novel and poem
- CO5: Encourage the read for inter disciplinary literature

#### **403. Folk literature**

- CO1: To develop the review of socialist folk literature.
- CO2: To create interest in Marathi folk literature to students
- CO3: Makes students aware of the different areas of folk literature
- CO4: To create the connect folk literature to the real life experience
- CO5: To introduce various types of areas folk literature to student

#### **404. Marathwadyatil adhunik sahitya**

- CO1: To understand the various branches and movement of Marathwada region
- CO2: To development modern Marathwada literature to student
- CO3: To introduce various types of Marathwada literature to student
- CO4: Make students aware of the Marathwada literature movement
- CO5: In part the skill and develop the ability among them to use Marathwada language and literat

## COs:Sanskrit

### BAFY-SANSKRIT Second Language (SL) Paper – I – Sanskrit subhashitanjali

CO1:To introduce students to Sanskrit language,Literature & Indian culture

CO2:To study the usage of Sanskrit language in modern period

CO3:To highlight the importance of language in communication skills & personality development

CO4:To create interesting Sanskrit language for the study of scientific views in Sanskrit literature.

### BAFY SANSKRIT - Optional Paper - I Aarshamahakavya

CO1:To introduce students the ancient Sanskrit poetics

CO2:To introduce students topics Ramayana & Mahabharata

CO3:To develop literary values & ethics

CO4:To study the importance of the epicsin Sanskrit Literature

### Paper-II Vyakaranparampara

CO1:To understand the development and structure of Sanskrit grammar.

CO2:To study the origin & development in Sanskrit grammar.

CO3:To know the impact of Sanskrit grammar on Sanskrit language.

CO4:To study the Trimuni grammar traditionin Sanskrit grammar.

### Paper-III Swapnavasavadattam

CO1:To study Bhasa's literature according to social, political, cultural & moral values

CO2:To introduce the ancient & developed Sanskrit drama traditions.

### Paper-IV Kathasahitya

CO1:To introduce the tradition of Sanskrit stories.

CO2:To study the literary merits of Sanskrit stories suchas-imagination, description, symbolism, etc.

CO3:To study the ancient teaching sand the behavioral trainings.

### BASY SANSKRIT-Second Language (SL) Paper -II Girvanmanjari

CO1:To introduce students to various forms of Vaidic Literature

CO2:To introduce various aspects of Sanskrit language & develop the accuracy in their Sanskrit phonetics.

CO3:To study the different styles of meters in Sanskrit poetics for the recitation of poems.

## **BASY SANSKRIT - Optional Paper - V Pancha Mahakavyacha Etihās**

**CO1:**To study the tradition of skillful Panch Mahakavyas in Sanskrit literature

**CO2:**To understand the character is tic sofskillful Panch Mahakavyas.

**CO3:**To study the themes, character sketches, styles, rasa, alanakaras and meters of Panch Mahakavyas and learn the impact of various aspects of literature on it

## **Paper-VI Raghuvansham**

**CO1:**To learn the introductory nature of kalidasas Raghuvansham

**CO2:**To understand the style of Raghuvansham

**CO3:**To study the literary values of Raghuvansham

**CO4:**To study the idols in Raghuvansham

## **Paper-VII Shukanasopadesh**

**CO1:**To study thenature of Prose tradition in Sanskrit literature

**CO2:**To study the nature and character is tics of prose Kadambari

**CO3:**To enhance the awareness of the importance of teacher "steachings for the youths.

**CO4:**To discuss the effects of power, as setand youth fullness in reference to Shukanasopadesh

## **Paper-VIII Sangeet Saubhadram**

**CO1:**To study the drama Sangeet Ssaubhadraas a symbol of modern Sanskrit literature

**CO2:**To understand the translated Sanskrit literature

## **BATY SANSKRIT-Optional Paper -IX Vaidic Suktē**

**CO1:**To introduce the ancient Vaidic Language and Vaidic Literature

**CO2:**To study the Vaidic Literature and culture in the point of view of science

**CO3:**To learn the oral tradition of education through different Vaidic Suktas

## **Paper-X Natyalakshan & Natak**

**CO1:**To study the properties of Natyain reference to Natyashastra

**CO2:**To develop interest in the studies of socio-cultural aspects and idols of Abhijnansakuntalam

**CO3:**To prepare students to go for detail study and understanding kalidasa's writing skills india logues, aesthetics and characters

### **Paper-XI Vyakaran**

**CO1:**To study the topic Sandhi because without this Sanskrit studies are not possible

**CO2:**To family arise the student swith different types of Sandhi to understand the language better.

### **Paper-XII Project**

**CO1:**To develop students to establish research values, findings

**CO2:**To create the confidence about creative writings

**CO3:**To introduce some advanced units of language so that they become aware of practical us age.

### **Paper-XIII Tattwajnan**

**CO1:**To introduce students to the spiritual life of Indian culture

**CO2:**To understand the philosophy in Bhagawadgita

### **Paper-XIV Natak (Abhijnanshakuntalam)**

**CO1:**To introduce students literary merit, beauty and creativity of Kalidas.

**CO2:**To study Abhijnansakuntalam as a pre-eminent creation in Sanskrit literature.

### **Paper-XV Sahityashastra**

**CO1:**To understand the nature of poem and poetics

**CO2:**To familiarize the learners with different types of rhetoric

**CO3:**To aware students for enjoying the perception of pleasure of literary sources

### **Paper-XVI Project**

**CO1:**To develop students to establish research values, findings

**CO2:**To create the confidence about creative writings

**CO3:**To introduce some advanced units of language so that they become aware of practical usage.

## **COs : History**

### **B. A.F.Y. History Shivaji and His Times (1630-1707 & 1707-1818) Paper-I,III**

- CO1:** Introduce innovative study techniques in the study of History of Maratha to make it Value based, conceptual and thought provocative. The secular ruler was very accommodating of all religions. He had numerous Muslim soldiers in his army. His only aim was to overthrow Mughal rule and establish Maratha Empire. He was also very supportive of people who converted to Hinduism.
- CO2:** Introduce international elements in the study of Marathas to facilitate comparative analysis of this history.
- CO3:** Highlight the importance of past in exploration of present context.
- CO4:** Understand the socio-economic, cultural and political background of 17<sup>th</sup> century Maharashtra.
- CO5:** Increase the spirit of healthy Nationalism & Secularism among the student.

### **History of Modern Maharashtra (A.D. 1818 – A.D. 1905 & 1818-1960) Paper –II,IV**

- CO1:** To give the student an introduction to the study of Maharashtra.
- CO2:** To acquaint the student with the basic understanding of how Maharashtra has grown to the present position and how the state has reached the present day.
- CO3:** To impart high quality of education to the students.
- CO4:** To prepare the students for a variety of challenging careers through innovation in teaching and research.
- CO5:** To develop comprehensive understanding of interdisciplinary issues of the society.

### **B. A.S.Y.**

#### **History of Early India (up to B.C. 300 & BC.300 AD.650) Paper-V,VII**

- CO1:** The study of ancient Indian history is important to those who want to understand the true nature of many races and tribes intermingled in early India.
- CO2:** Ancient India also saw the birth of Brahmanism of Hinduism, Jainism, and Buddhism, but all these cultures and religious intermingled and interacted.
- CO3:** Increase the spirit of healthy nationalism & secularism among the student.

**CO4:** The study of ancient Indian history is important to those who want to understand the true nature of the past and also to those who seek to understand the nature of the obstacles that impede India's progress as a nation.

**History - Hist. of Delhi Sultanat & History of Mughal India (1200-1526 & 1526-1707) VI, VIII**

**CO1:** To study the Mughal contribution to the Indian subcontinent.

**CO2:** The study of Mughal period would see a more fruitful blending of Indian, Iranian and Central Asian artistic, intellectual and literary traditions than any other in India's history.

**CO3:** To study Persian art and culture amalgamated with native Indian art and culture.

**CO4:** To study the political unity provided by the Mughal rulers.

**B.A.T.Y.**

**History General Paper – IX Historiography**

**CO1:** The study of development of history as a discipline.

**CO2:** The study of the writing of historical accounts.

**CO3:** Indicate the importance of thinking "historiographically" as well as historically.

**CO4:** To provide new angles to research and new interpretations to dispute.

**History -X History of Indian national Movement (A.D. 1885-A.D. 1947)**

**CO1:** To provide a comprehensive understanding of the transformations in the economy of colonial India.

**CO2:** to introduce land and agrarian policies under the British rule.

**CO3:** To develop nationalism in student mind.

**CO4:** To understand the British economic policy and why Indian revolted.

**CO5:** To understand all the Government and British parliamentary acts that led to the foundation for the constitution

**History of Modern China (A.D. 1900 – A.D. 1950)-XI**

Upon completion of this course the student shall be able to:

**CO1:** Develop an in-depth understanding of China's engagement with the challenges posed by imperialism, and the trajectories of transition from feudalism to a bourgeois/ capitalist modernity.

**CO2:** To locate these historical transitions in light of other contemporaneous trajectories into a global modernity, especially that of Japan.

**CO3:** Analyse significant historiographical shifts in Chinese history, especially with reference to the discourses of nationalism, imperialism, and communism.

**CO4:** Investigate the political, economic, social and cultural disruptions caused by the breakdown of the centuries old Chinese institutions and ideas, and the recasting of tradition to meet modernist challenges.

**CO5:** Comprehend the genesis and unique trajectories of the Chinese Communist Revolution.

**CO6:** Locate the rise of China and Japan in the spheres of Asian and world politics respectively

### **Fields of History –XIII**

The following are the learning outcomes that we would like to see each History student graduate with.

**CO1:** Capacity to explain how and why important events happen

**CO2:** Understanding of the historical method of study

**CO3:** A clear understanding of evidence collected from historical sources

**CO4:** Critical understanding of developments in historiography

**CO5:** Students will have first-hand experience of conservation

**CO6:** The course will give them an experience of research and writing reports while preparing  
The dissertation

**CO7:** They will be able to choose a career in the field of Museology

### **Landmarks in the History of modern world- XIV**

Upon completion of the course, the students will be able to

**CO1:** Discuss rise of Modern World

**CO2:** Classify growth of capitalism

**CO3:** Identify world maps –Oceanic Explorations, Europe in 1815, important stages of World War, and important centers of International trade

**CO4:** Explain rise and development of Democracy in modern world

**CO5:** Discuss freedom struggle in America, French, Russia, China, India and other part of the world

**CO6:** Explain new ethics of politics, philosophy, political, economic, and military trends in modern world

### **Glimpses of the history of Marathwada -XV**

Upon completion of the course, the students will be able to

**CO1:** Discuss salient features of history of Marathwada

**CO2:** Analyze contribution of Marathwada in Hyderabad Freedom Struggle

**CO3:** Discuss Marathwada freedom struggle with Indian freedom Struggle

**CO4:** Explain women contribution of Marathwada in freedom struggle

**CO5:** Identify socio- religious movements in Marathwada

**CO6:** Explain work of Swami Ramanand Teerth, and Police Action by Indian Government

<b>Public Administration - Course Outcomes</b>	
Course	Outcomes
F.Y. Sem. – I, Paper – I , Introduction to Public— Administration- I	<ol style="list-style-type: none"> <li>1) Demonstrate board understanding of Public- Administration including Principles of Management and Organization.</li> <li>2) Identify the core mechanism of Public-Administration.</li> <li>3) Explain the development of discipline. Illustrate knowledge of organization Theory.</li> <li>4) Understanding the working of constitutional- legal aspects &amp; manifestations of administration (IAS, IPS, NGOs, Research Think Tanks, Project Managers, government consultancy, Policy Analysts, etc.)</li> </ol>
F.Y. Sem. – I, Paper – II , Indian Administration-I	<ol style="list-style-type: none"> <li>1) Explain the development of Indian Administration from ancient to contemporary times.</li> <li>2) Acquire board understanding of constitutional Values, Rights &amp; Duties.</li> <li>3) Identify the Institutional mechanism of Indian Administration at Union level.</li> <li>4) Illustrate knowledge of Legislature, Executive &amp; Judiciary’s working.</li> </ol>
F.Y. Sem. – II, Paper – III , Introduction to Public— Administration- II	<ol style="list-style-type: none"> <li>1) Acquire an understanding of features &amp; Principles of Organization.</li> <li>2) Identify &amp; understand the principles of Administrative Organization &amp; Agencies.</li> <li>3) Familiarize with administrative behavior.</li> </ol>
F.Y. Sem. – II, Paper – IV , Indian Administration-II	<ol style="list-style-type: none"> <li>1) Understanding the development of Indian Administration from Ancient to Contemporary times.</li> <li>2) Acquire board understanding of constitutional Values, Rights &amp; Duties.</li> <li>3) Identify the Institutional mechanism of Indian Administration at Union level.</li> <li>4) Acquire knowledge Of Legislature, Executive &amp; Judiciary is working.</li> <li>5) Understanding the significant aspects of Citizen State Inter Face.</li> </ol>
<b>S.Y. Sem. – III &amp; IV,</b>	
S.Y. Sem. – III, Paper – V , Personnel Administration	In this syllabus Personnel Administration Central & State Services All India Services: Constitutional Status, Role & Function. Problems of Personnel Administration
S.Y. Sem. – III, Paper – VI , Panchayati Raj & Rural Development	Evolution of Panchayati Raj in India Zilla Parishad, Panchayat Samiti, Gram Panchayat & Gram Sabha Composition & Functions. & Ministry of state Rural Development— Composition & Functions.
S.Y. Sem. – IV, Paper – VII , Financial Administration	Student have get knowledge Financial Administration— Meaning & Importance and Finance Ministry their function, Preparation, Enactment & Execution of Budget. Comptroller & Auditor General of India (CAG)- Power & Functions
S.Y. Sem. – IV, Paper – VIII, Urban Local Self	Urban Local Self Government in Maharashtra. Had known Ministry of urban Development- Composition & Function,



Government & Urban Development	Problems of Urbanization, Major Urban Development Programs
T.Y. Sem. – V & VI,	
T.Y. Sem. – V Paper – IX , Human Resource Development	The syllabi provide Ministry Of Human resource Development : Composition, function & Role such as Human resource Development Higher Education Research Vocational & Technical Education & Meaning, Nature, Importance & Objective of HRM
T.Y. Sem. –V Paper – X , Educational Administration in India	Education Administration: Meaning, Objectives & Importance. Historical Background of Education in India. Quality Control Institutions in Higher Education Such as (NAAC) other.& Challenges Before Higher Education in India, Globalization & Higher Education: Impact & Consequences
T.Y. Sem. – V Paper – XI , Administrative Thinkers	This is theoretical syllabi of Administrative Thinkers like that foreign & Indian Thinkers their contribution in Administration.
T.Y. Sem. – V Paper – XII , Project Work	Both the work in such as research work study in third year.
T.Y. Sem. – VI Paper – XIII , Public Policy & Development	The content of syllabi is Public Policy In India. Formulation Implementation Development: Meaning & Concept & Challenges Before Development
T.Y. Sem. – VI Paper – XIV , Health Administration in India	Student get the knowledge of Health Administration in India Health & Family Welfare Ministry National Rural Health Mission Determinants of Health Challenges Before Indian Health Care System
T.Y. Sem. – VI Paper – XV , Recent Trends in Public Administration & Important Laws	The syllabi should provide Recent Trends in Public Administration & Important Laws such as New public Administration Concept & Elements. New Public Management Public Choice Approach ,E- Governance, Good Governance, Citizen Charter, Environment Protection Act Right Public Services Act – 2013 Objectives & Importance
T.Y. Sem. – VI Paper – XVI , Project Work	Student had be able to:- Design a research study in an area of choice. Summarize basic questions and issues in the area. Compare and contrast basic questions and issues in the area. Show how Public-Administration helps understand the area.

## **COs : Political Science**

### **B. A. Political Science Pol-101, Basic Concept of Political Science**

**CO1:** To Know the Students Concept of State and Its origin, Nature & Elements.

**CO2:** To Study the Development of the Concept of Rights- State background of Political History.

**CO3:** To analyze transitions in societal systems the structure and order of the system.

**CO4:** To Enable Students to Understand Basic Concepts in Political Science.

### **Pol-102, Government and Politics of Maharashtra**

**CO1:** To establish pattern of Maharashtra State.

**CO2:** To examine the government and non-government responses.

**CO3:** To History of the Freedom Movement in India Collected from the Bombay Government Records.

**CO4:** To understand Historical and Political Background of Maharashtra.

**CO5:** To explain Structure and Functions of State Government in India.

**CO6:** To understand the Political Process of Maharashtra.

### **Pol-103, Basic Concept of Political Science**

**CO1:** To defined terms in a social science outside of their immediate area of expertise, forexample economist needing information regarding a political science term.

**CO2:** To create awareness among students about democracy.

**CO3:** To help the students to understand social and political values in indian political system.

**CO4:** To understand the concept of welfare state.

### **Pol-104, Government and Politics of Maharashtra**

**CO1:** To contest elections to be a part of legislative and executive large parties came to be dependent upon smaller parties for the formation of government's power.

**CO2:** To provide solution to social problems.

**CO3:** To help the students to know the

**CO4:** To study Panchayat raj History.

**CO5:** To orient the student about ideology and programme of political parties in Maharashtra.

### **Pol-105, Indian Government and Politics**

**CO1:** The government is to secure all round progress and prosperity of society.

**CO2:** The more important political events in recent government of India.

**CO3:** To understand basic principles of Indian constitution.

**CO4:** To study various constitutional institutional in India.

### **Pol-106 International Relations**

**CO1:** To explain the behavior of individual entrepreneurs and firms rather than world politics, Liberalism contains a theory of international relations.

**CO2:** The study has important implications for international law and international relations generally.

**CO3:** To explain basic concepts in international relations.

**CO4:** To understand the stages of development of international relation as a separate discipline.

### **Pol-107, Indian Government and Politics**

**CO1:** To explain structure of union government and budgetary process in India.

**CO2:** To understand the framework of Indian supreme court.

**CO3:** To explain about party system and electoral reforms.

**CO4:** To evaluate the federal structure and center state relation.

### **Pol-108, International Relations**

**CO1:** To explore the nature of informal reasoning in international relations and to consider how Instruction could help enhance.

**CO2:** To study the various international and regional organization.

**CO3:** To aware about some major issues in internationalism.

**CO4:** Critically evaluate the non-alignment movement.

### **Pol - 109, Indian Political Thinkers**

**CO1:** To understand modern political thinker's contribution.

**CO2:** It has been a problem in cultural transformation how best to accomplish the Cultural Transformation of Indians into non-Indians.

**CO3:** To study the religious political, social and cultural thoughts of Indian political thinkers.

**Pol - 110, Western Political Thinkers 33**

**CO1:** To understand the views of western political thinkers.

**CO2:** To understand the ideas of western political thinkers and its relevance.

**CO3:** To understand the thoughts of Plato on various political concepts.

**CO4:** To know ideas of Aristotle and how he is father of political science.

**Pol – 111, Political Ideologies**

**CO1:** To Study the development and features of the political ideologies.

**CO2:** To understand relevance of political ideology in contemporary period.

**CO3:** To show how these ideologies originated and how and why they have for most of the twentieth century, the clash of three political ideologies, liberalism, communism, and fascism.

**CO4:** To relate the theoretical discussion and analysis of ideologies to the transformations,

**Pol - 112, Indian Political Thinkers**

**CO1:** To study Dr.B.R.Ambedkar's thoughts on democracy, economy and society.

**CO2:** To critically evaluate M.N. Roy's radical humanism.

**CO3:** To understand Nehru's democratic and secular views and its applicability.

**CO4:** To know of ideas of Maulana Azad views on religion and politics.

**Pol - 113, Western Political Thinkers**

**CO1:** To present and thoroughly document the wealth of historical and institutional material.

**CO2:** To study the thoughts of J. S. Mill and its applicability.

**CO3:** Critically evaluate the thoughts of Karl Marx and its relevance.

**CO4:** To understand the theory of utilitarianism.

**Pol - 114, Political Ideologies**

**CO1:** To study of ideology of socialism.

**CO2:** Critically evaluate the ideology of fascism.

**CO3:** To study the development and features of the communism.

**CO4:** To explain the ideology of feminism.

## **COs: Sociology**

### **B. A. Sociology B.A. Part-I, Semester I**

#### **Paper no-I: - Introduction to sociology & Paper No-II:- Indian Social Institutions**

**CO1:** Introduction to the basic concept of Sociology, subject matter & Importance of Sociology and origin and development of sociology

**CO2:** Understanding in brief the knowledge of human Society and the institutions and other structural elements

### **B.A. part-I, Semester II,**

#### **Paper no III - Basic Concepts in Sociology & Paper No. IV – Transformation in Social Institution**

**CO1:** Introduction to the basic concept of Sociology

**CO2:** Understanding in brief the knowledge of changing structure of the institutions and other structural functional elements

### **B.A. Part-II, Semester III**

#### **Paper No-V: -Problems of Rural India Paper no-VI: -Contemporary Urban Issues**

**CO1:** A student if sociology must be aware about the changing scenario of Rural India and the contemporary problems of rural development

**CO2:** Understanding and analytical capacity among students about urbanization urban planning and urban problems

### **B.A. part-II, Semester IV**

#### **Paper no- VII -: Population in India Paper No-VIII: - Sociology of Development**

**CO1:** To understand causes, consequences of Indian population change.

**CO2:** Provides broad introduction to many development Issues in India

**B.A. part-III Semester V**

**paper: - Paper IX: Sociological Tradition Paper No. X: Introduction to Research Methodology Paper No. XII (Main) Urban Sociology**

**CO1:** To provide the students with the basic understanding of emergence of sociological thought and to know about pioneer sociologists with their contributions to sociology

**CO2:** To introduce the Research Methodology for better understanding of application of social sciences

**CO3:** To enable the students of urban Sociology to comprehend the basic elements of the subject and to draw attention of the students towards increasing urbanization

**B. A. part - III Semester VI**

**Paper No XIII. : Sociological Theories Paper No. XIV: Social Research Methods Paper No.XVI: Urban Society in India**

**CO1:** Acquaintance with the sociological thought of the Pioneers of Sociology

**CO2:** Introduction to various steps in conducting research.

**CO3:** To analyze critically social problems of urban Indian and to discuss regarding impact of modernization and industrialization upon the cities

## Department of Economics - Course Outcomes

<b>Course B.A.</b>	<b>Outcomes</b>
F.Y. Sem. – ECO - CORE COURSE —CC-IA : MICRO ECONOMICS - I	1) Analyze about traditional and modern definition of Economics. 2) Perform demand analysis to analyze the impact of economic events on markets. 3) Perform supply analysis to analyze the impact of economic events on markets. 4) Analyze the behavior of consumers in terms of the demand for products. 5) Understand various types of market equilibrium.
F.Y. Sem. – I, Paper – II ECO - CORE COURSE —CC-IB : MACRO ECONOMICS-I	1. Compute different measures of macro economic activity. 2. Analyze about definition of macro economics 3. Understand the various concepts of national income. 4. Analyze Classical and Keynesian approach of output and employment 5. Understand consumption and investment unctioin
F.Y. Sem. – II, Paper – III CORE COURSE - CC--IC MICRO ECONOMICS	1) Evaluate the factors affecting firm’s behavior, such as production, revenue and cost. 2) Analyze the performance of firms under different market forms. 3) To be aware about Price Determination of firms under different market structure. 4) Explain how input market work. Have a better awareness of different factors pricing.
F.Y. Sem. – II ECO - CORE COURSE — CC- 2C: MACRO ECONOMICS- II	1. Analyse the value of money and it's measurement. 2. Understand measures to control inflation and deflation 3. Analyse trade cycles and its effects 4. Understand how monetary and fiscal policy can be used to achieve policy goals 5. Identify the social consequences of national and international economic activity.

<p>S.Y. Sem. III V 105 Macro Economics</p>	<ol style="list-style-type: none"> <li>1. Define and explain the process of calculating national income, identify its components, demonstrate circular flow of income, analyze the various income identities with government and international trade, define the concept of green accounting.</li> <li>2. Understand Say's law of market, classical theory of employment and Keynes objection to the classical theory, demonstrate the principle of effective demand and income determination.</li> <li>3. Explain the meaning of consumption function, relationship between APC and MPC, consumption and income, concept of multiplier and analyze the theories of absolute and relative income hypotheses.</li> <li>4. Understand the relationship between investment and savings, demonstrate investment multiplier, and understand the meaning of MEC and MEI.</li> <li>5. Analyze the Theory of Track Cycle.</li> </ol>
<p>S.Y. Sem. III VI 106 Economics of Development</p>	<ol style="list-style-type: none"> <li>1. Student understood meaning of Growth &amp; Development.</li> <li>2. Student Grasp Theories of Development :Adam smith ,Malthus ,Karl marks, Schumpeter</li> <li>3. Student learnt Factors in Development Process.</li> <li>4. Student Analyzed Growth Models: R.Nurks e, Rostows stages.</li> <li>5. Student studied role of agriculture, Industry, &amp; Service in development.</li> </ol>
<p>S.Y. Sem. IV 107 Public Finance</p>	<ol style="list-style-type: none"> <li>1. Student understood meaning, nature and scope of Public Finance&amp; Importance.</li> <li>2. Student analyzed difference between Privet and public finance.</li> <li>3. Understand the possible burden, benefits and distribution of various types of taxes among various classes of people, know the general trend and impact on general welfare and arouse them to suggest good and bad tax system.</li> <li>4. Student Grasp Public Expenditure, Public Debt &amp; Union Budget</li> </ol>
<p>S.Y. Sem VIII 108 Statistical Method</p>	<ol style="list-style-type: none"> <li>1. Student understood Meaning, Nature of Statistic</li> <li>2. Identify and define basic statistics techniques which are needed for studying in Economics.</li> <li>3. Apply knowledge of statistical measures such as Mean, Median and Mode for analysis and interpretation of data.</li> <li>4. Analyze the different measures of dispersion that are useful in the field of Economics.</li> <li>5. Develop skills and knowledge to apply data through graphs for analyzing.</li> <li>6. Student Analyzed correlation analysis &amp; Index Number.</li> </ol>
<p>T.Y. Sem V 109 International Economics</p>	<ol style="list-style-type: none"> <li>1. Identify the basic difference between inter-regional and international trade, understand how international trade has helped countries to acquire goods at cheaper cost and explain it through the various international trade theories.</li> <li>2. Show the benefits of international trade in a way how nations with strong international trade have become prosperous and have the power to control.</li> <li>3. Student Grasp the Gains from Trade.</li> </ol>



	<p>4. Show the importance of maintaining equilibrium in the balance of payments and suggests suitable measures to correct disequilibrium</p> <p>5. Be aware of the changes in the composition as well as direction of foreign trade after international trade and know the causes and effects of deficits in the balance of payments, measures adopted to correct the deficits and identify the need for having trade reforms.</p> <p>6. Analyze the merits, Demerits and limitation of devaluation</p>
T.Y. Sem V 110 Agricultural Economics	<p>1. Sensitize the overall development and engine of growth in agriculture.</p> <p>2. Gain knowledge of the causes of regional variations in productivity and production, social and economic inequality, size of land holdings and lack of quality inputs etc. and suggest appropriate measures for the whole economy.</p> <p>3. Student Grasp the Technology in agriculture</p> <p>4. Draw distinctive features of rural and urban economy or agricultural and non-agricultural which can influence the whole economy.</p> <p>5. Analyze the Fifty years of Indian Agriculture : an over view Agriculture</p>
T.Y. Sem V 111 History of Economic Thought	<p>1. Student understood Mercantilism &amp; Physiocracy.</p> <p>2. Analyze the Classical period &amp; Marginalists Economists.</p> <p>3. Gain knowledge of the Keynesian Ideas.</p>
T.Y. Sem VI 113 Research Methodology	<p>1. Student understood Meaning, nature, scope and objectives of social research.</p> <p>2. Student Analyzed Research Design &amp; Data Collection method.</p> <p>3. Student Analyzed Data Presentation and Analysis.</p>
T.Y. Sem VI 114 Industrial Economics	<p>1. Student understood importance and role of industries in economic and social development.</p> <p>2. Student Grasp Industrial Organization and Ownership Structure.</p> <p>3. Analyze the Location and Dispersion of industries.</p> <p>4. Student understood Composition of Industrial Sector</p>
T.Y. Sem VI 115 Economy of Maharashtra	<p>1. To Develop ideas of the basic characteristics of Maharashtra's economy, its potential on natural resource.</p> <p>2. Understand the problems of Agricultural in Maharashtra.</p> <p>3. Student Grasp the Cooperative Movement in Maharashtra.</p> <p>4. Analyze the Infrastructure and Industrial development in Maharashtra.</p>
T.Y. T.Y. Yearly 112 & 116 Project work	<p>1. Student learnt Project writing skill.</p> <p>2. Student Analyzed Research Design &amp; Data Collection.</p> <p>3. Students are deep study of specific topic.</p> <p>4. Gain knowledge of the research projects.</p>

## **COs : Commerce**

### **B.Com First Year, Semester I (CBCS Pattern)**

#### **Financial Accounting (Paper – I)**

- CO1: It's clears the basic concepts of Accounting and enables student's to prepare Journal, ledger and Balance – Sheet of Sole Trader
- CO2: To enable the student's to calculate depreciation.
- CO3: It makes aware about hire purchase & Installment purchase system.
- CO4: It clears the concepts of royalty and makes aware student's to calculate royalty.

#### **Business Mathematics and Statistics (Paper II)**

- CO1: It's clears the basic concepts of statistics, data collection, sampling and tabulation of data.
- CO2: It's provides basic knowledge of positional averages and enabled to calculate it.
- CO3: To understand measures of dispersion mean deviation & standard deviation.
- CO4: To Provide knowledge to student of determinant's and matrices.

#### **Business and Industrial Economics (Paper – III)**

- CO1: This course exposes the student's to the significance and scope of Business economic.
- CO2: To provide the knowledge about indifference curve, consumer's equilibrium, elasticity of demand.
- CO3: It's Provides knowledge regarding the elasticity of demand and demand fore casting.
- CO4: To understand the Knowledge of various market structures and factors pricing.

#### **I.T. Application in Business – I (Paper – IV)**

- CO1: It provides basic knowledge of computer, computer codes and languages; computer Code Different number systems, Binary, Octal, hexadecimal, and Decimal.

CO2: To equip the students with the ability to analyze, Interpret and use computer Application in Business enterprise.

CO3: Different Input / Output and storage devices, modern computing devices and Technologies.

CO4: It enables students to work in MS Word with different office document.

CO5: To provides the knowledge of MS-EXCEL, Formatting and layout of worksheet, excel Templates.

### **Optional Group Entrepreneurship Development -1 (Paper – VII)**

CO1: It Provides the basic knowledge of entrepreneurship with function of successful entrepreneur.

CO2: To equip the student with the ability to analyze and interpret Entrepreneurship in Economic Development.

CO3: It Clear the Concepts of different mechanisms help to start-up.

CO4: This course provides Students how to set-up a new venture.

CO5: This course provides knowledge about essentials of entrepreneurship in 21st Century

## **B.Com First Year, Semester II (CBCS Pattern)**

### **Financial Accounting II (Paper III)**

- CO1: To provide knowledge of basic accounting concepts, accounting standards and accounting principles the aim is also to provide the practical accounting knowledge.
- CO2: To enable the students about depreciation and royalty account.
- CO3: To make an ability to understand accounts of non trading concern and branch accounts.
- CO4: To enrich students in financial accounting
- CO5: To enhance the ability to solve practical sums of departmental accounts and consignment accounting.

### **Business Mathematics and Statistics II (Paper-IV)**

- CO1: To make students learn and understand the concept of Co-relation.
- CO2: Student is expected to have knowledge of the types and methods of estimating regression lines.
- CO3: This course provides Knowledge about Index Numbers, its types and uses.
- CO4: To understand the procedure of application of Probability.
- CO5: This Course provides knowledge & ability among students for using statistical tools with Computer.

### **Business Organization and Management (Paper –V)**

- CO1: To make students learn and understand the foundation of Indian Business & emerging opportunities in Business.
- CO2: Student is expected to have knowledge of the forms of organization.
- CO3: This course provides Knowledge about process of Management & Organization.
- CO4: To understand the procedure of Leadership, Motivation & Control.
- CO5: This Course provides knowledge of functional areas of management.

## **I.T. Application In Business –II (Paper VI)**

- CO1:** To make students learn and understand Business communication.
- CO2:** Student is expected to have knowledge about the Business correspondence i.e. letterwriting, preparing the resume and job application letter.
- CO3:** This course provides Knowledge about report writing.
- CO4:** To understand the procedure of oral presentation.
- CO5:** This Course provides knowledge & ability among students for modern forms of communicating.

## **Optional Group Entrepreneurship Development (Paper-VII)**

- CO1:** To make students learn and understand the role of Entrepreneurship in Economic Development.
- CO2:** Student is expected to have knowledge of the emerging trends in Entrepreneurship Development
- CO3:** This course provides Knowledge about Project identification and Resource Management.
- CO4:** To understand the procedure of Entrepreneurship Development Program.
- CO5:** This Course provides knowledge for students how to Selection, Preparation & what are the requirement for the project.

## **Office Management (Paper–VII)**

- CO1:** To make students learn and understand the Modern office & its Functions
- CO2:** Student is expected to have knowledge about office system and role of manager in system
- CO3:** This course provides Knowledge about office services.
- CO4:** To understand the procedure of record management and reporting.
- CO5:** This Course provides knowledge for EDP Environment for effective office management.

## **B.Com. S. Y. III Semester III (CBCS Pattern) Corporate**

### **Account-I (Paper -III)**

- CO1:** To create awareness about Corporate Accounting in conformity with the provisions of Companies Act and as per Indian Accounting Standards.
- CO2:** To make aware about the conceptual aspect of corporate accounting.
- CO3:** To acquaint about issue and forfeiture of shares with re-issue procedure.
- CO4:** To make practice the final account of Joint Stock Company.
- CO5:** To enable students to acquire the knowledge of redemption of debentures and preference shares.
- CO6:** To understand the knowledge of profit prior to incorporation.

### **Cost Account-I (Paper -IV)**

- CO1:** To create ability of students to understand basic cost accounting concepts and the classification of cost.
- CO2:** To provide the knowledge of material handling methods such as LIFO, FIFO, simple average and weighted average.
- CO3:** To explain the labor costing methods like incentive scheme, wage payment, time and piece rate etc.
- CO4:** Awareness will be received about costing methods and techniques.
- CO5:** To develop overheads knowledge and its methods of distribution.

### **I.T. Application in Business III (Paper -V)**

- CO1:** To aware about C-Language and relevant software.
- CO2:** To acquaint the student about importance of operators in C and use of computer for it.
- CO3:** To enhance the knowledge of control benchmarking and decision making in C.
- CO4:** To guide students about loop and its type.
- CO5:** To make practice arrays and strings.
- CO6:** To encourage students to learn practical application of C- Language.

### **Goods and Services Tax -I (Paper -VI)**

- CO1:** Creating ability of students to learn tax concepts, procedure and legislation pertaining to GST in India.
- CO2:** To make perfection in learning of GST Registration process.

- CO3:** To understand practical online GST registration process and filling GST returns.
- CO4:** To provide knowledge of supply under GST and valuation of supply.
- CO5:** Ability of student is to be existed to learn input tax credit.
- CO6:** Understand GST accounting with their documentation and keeping process of records in GST.

### **Financial Management-(Paper -VII)**

- CO1:** To enhance financial literacy of students.
- CO2:** To make aware students about financial planning and financial sources.
- CO3:** To analyses budgeting and learned different methods or techniques of capital structure.
- CO4:** To acquaint about working capital management of a firm and its importance.
- CO5:** To learn how to analyze leverages.
- CO6:** To enlighten students regarding the dividend policy and decision making in finance.

### **Optional Group Banking (VII)**

- CO1:** To familiarize student with banking and practices of banking.
- CO2:** To equip the students with the knowledge of modern banking.
- CO3:** To develop employability of student in banking, financial and other economic sector.
- CO4:** This course enables the students to know Fundamental of Insurance.

## **B.Com. S. Y. IV Semester (CBCS Pattern)**

### **Corporate Account-II (Paper - III)**

- CO1:** To create awareness about Corporate Accounting in conformity with the provisions of Companies Act and as per Indian Accounting Standards.
- CO2:** To make aware about the conceptual aspect of corporate accounting.
- CO3:** To acquaint about issue and forfeiture of shares with re-issue procedure.
- CO4:** To make practice the final account of Joint Stock Company.
- CO5:** To enable students to acquire the knowledge of redemption of debentures and preference shares.
- CO6:** To understand the knowledge of profit prior to incorporation.

### **Cost Account-II (Paper -IV)**

- CO1:** To create ability of students to understand basic cost accounting concepts and the classification of cost.
- CO2:** To provide the knowledge of material handling methods such as LIFO, FIFO, simple average and weighted average.
- CO3:** To explain the labor costing methods like incentive scheme, wage payment, time and piece rate etc.
- CO4:** Awareness will be received about costing methods and techniques.
- CO5:** To develop overheads knowledge and its methods of distribution.

### **I.T. Application in Business IV (Paper -V)**

- CO1:** To aware about C-Language and relevant software.
- CO2:** To acquaint the student about importance of operators in C and use of computer for it.
- CO3:** To enhance the knowledge of control benchmarking and decision making in C.
- CO4:** To guide students about loop and its type.
- CO5:** To make practice arrays and strings.
- CO6:** To encourage students to learn practical application of C- Language.



## **GST Account-I (Paper -VI)**

- CO1:** Creating ability of students to learn tax concepts, procedure and legislation pertaining to GST in India.
- CO2:** To make perfection in learning of GST Registration process.
- CO3:** To understand practical online GST registration process and filling GST returns.
- CO4:** To provide knowledge of supply under GST and valuation of supply.
- CO5:** Ability of student is to be existed to learn input tax credit.
- CO6:** Understand GST accounting with their documentation and keeping process of records in GST.

## **Optional Group Insurance-(VII)**

- CO1:** To familiarize student with banking and practices of banking.
- CO2:** To equip the students with the knowledge of modern banking.
- CO3:** To develop employability of student in banking, financial and other economic sector.
- CO4:** This course enables the students to know Fundamental of Insurance.

**B.Com. T.Y. Semester V**  
**Advanced Financial Accounting-I (Paper No. I)**

- CO1:** To equip the students with the ability to analyze, Interpret and use financial account in business enterprise.
- CO2:** To introduce stock market, Electricity Company, insolvency accounts of local government and farm accounting.
- CO3:** To provide the knowledge of social accounting, departmental accounting, investment accounting, bank final account and accounts of insurance companies.

**Management Accounting-I (II)**

- CO1:** To equip the students with the ability to analyze interpret accounting information in managerial decision making.
- CO2:** To have a good working knowledge of the subject.
- CO3:** To understand the application of management accounting techniques.
- CO4:** To provide the knowledge of budgeting and responsibility accounting.

**Auditing (III)**

- CO1:** To enable the students to understand the auditing concepts and new auditing trends.
- CO2:** To explore the knowledge Cost and Management Audit, Human Resource Audit, Investigation, Trends in Cooperative Audit and Tax Audit are explained throughout the subject work.

**Business Regulatory Framework - I (Paper No. I)**

- CO1:** To help students to understand the regulatory environment in which the business operates.
- CO2:** To educate students about different acts associated with business operations.

## **Computerized Accounting-I (Paper No. V)**

- CO1:** To make students familiar with the computerized accounting software and help them to understand the application of accounting software in recording business transactions.
- CO2:** To Make students understand the application of Tally to solve the real business problems.

## **Rural Development & Agricultural Business (Paper No. VI)**

- CO1:** To familiarize the students with Rural Economy & its importance in Indies economic development.
- CO2:** To familiarize the student with all initiatives & promotional policies for agree businesses.
- CO3:** To provide the knowledge of different policy programmers implemented for rural development.

## **B.Com. T.Y. Semester VI**

### **Advanced Financial Accounting-II (Paper No, I)**

- CO1:** To equip the students with the ability to analyze, Interpret and use financial account in business enterprise.
- CO2:** To introduce stock market, Electricity Company, insolvency accounts of local government and farm accounting.
- CO3:** To provide the knowledge of social accounting, departmental accounting, investment accounting, bank final account and accounts of insurance companies.

### **Management Accounting-II (Paper No. II)**

- CO1:** To equip the students with the ability to analyze interpret accounting information in managerial decision making.
- CO2:** To have a good working knowledge of the subject.
- CO3:** To understand the application of management accounting techniques.

**CO4:** To provide the knowledge of budgeting and responsibility accounting.

### **Direct Taxes (Paper No.III)**

**CO1:** To expose students to the basic tax concepts, procedure and legislation pertaining to direct tax.

**CO2:** To provide the basic Information of Income tax act 1961.

**CO3:** To understand practical knowledge of all heads of income..

**CO4:** To provide knowledge to student of all direct sources of income tax.

### **Business Regulatory Framework-II (Paper No. IV)**

**CO1:** To help students to understand the regulatory environment in which the business operates.

**CO2:** To educate students about different acts associated with business operations.

### **Computerized Accounting-II (Paper No. V)**

**CO1:** To make students familiar with the computerized accounting software and help them to understand the application of accounting software in recording business transactions.

**CO2:** To Make students understand the application of Tally to solve the real business problems.

### **Advertising & Salesmanship (Paper No.VI)**

**CO1:** To help students to understand the importance of advertising in today's parlance.

**CO2:** To make students aware about different advertising strategies.

**CO3:** To help students to understand the advertising ethics.