

DEPARTMENT OF CHEMISTRY

Programme Outcomes: B. Sc Chemistry

Chemistry (Semester-III /IV)

Department of Chemistry	After successful completion of three year degree program in Chemistry a student should be able to;
Programme Outcomes	<p>PO-1. Demonstrate, solve and an understanding of major concepts in all disciplines of chemistry.</p> <p>PO-2. Solve the problem and also think methodically, independently and draw a logical conclusion.</p> <p>PO-3. Employ critical thinking and the scientific knowledge to design, carry out, record and analyze the results of chemical reactions.</p> <p>PO-4. Create an awareness of the impact of chemistry on the environment, society, and development outside the scientific community.</p> <p>PO-5. Find out the green route for chemical reaction for sustainable development.</p> <p>PO-6. To inculcate the scientific temperament in the students and outside the scientific community.</p> <p>PO-7. Use modern techniques, decent equipments and Chemistry software</p>
Programme Specific Outcomes	<p>PSO-1. Gain the knowledge of Chemistry through theory and practical's.</p> <p>PSO-2. To explain nomenclature, stereochemistry, structures, reactivity, and mechanism of the chemical reactions.</p> <p>PSO-3. Identify chemical formulae and solve numerical problems.</p> <p>PSO-4. Use modern chemical tools, Models, Chem-draw, Charts and Equipments.</p> <p>PSO-5. Know structure-activity relationship.</p> <p>PSO-6. Understand good laboratory practices and safety.</p> <p>PSO-7. Develop research oriented skills.</p> <p>PSO-8. make aware and handle the sophisticated instruments/equipments</p>
	Course Outcomes B. Sc Chemistry SEM II/IV
Course	Outcomes After completion of these courses students should be able to;

CH-331/341 Physical Chemistry	CO-1. Write an expression for rate constant K for third order reaction CO-2. Solve the numerical problems based on Rate constant CO-3. Understand the term specific volume, molar volume and molar refraction CO-4. Know the meaning of phase, component and degree of freedom CO-5. Derive the expression for rotational spectra for the transition from J to J+1
CH-332 /342Inorganic Chemistry	CO-1. Know the meaning of various terms involved in co-ordination chemistry CO-2. To understand Werner's formulation of complexes and identify the types of valences CO-3. Know the limitations of VBT CO-4. Know the shapes of d-orbitals and degeneracy of d-orbitals CO-5. Draw the geometrical and optical isomerism of complexes
CH-333/343 Organic Chemistry	CO-1. Define organic acids and bases. CO-2. Distinguish between geometrical and optical isomerism. CO-3. Discuss kinetics, mechanism and stereochemistry of SN ₁ and SN ₂ reactions. CO-4. Compare between E ₁ and E ₂ reactions. CO-5. Understand the evidences, reactivity and mechanism of various elimination and substitution reactions
CH-334 /344 Analytical Chemistry	CO-1. Know the principles of common ion effect and solubility product. CO-2. Study the methods of thermo-gravimetric analysis. CO-3. Understand the principles of Spectro-photometric analysis and properties of electromagnetic radiations. CO-4. Study the Voltammetry and Polarography as an analytical tool. CO-5. Measure the absorbance of atoms by AAS.
CH-335 /345 Industrial Chemistry	CO-1. Know the importance of chemical industry. CO-2. Classify various insecticides. CO-3. Study the nutritive aspects of food constituents. CO-4. Understand the characteristics of some food starches. CO-5. Study the manufacture of cement, dyes, Glass, Soap and Detergents by modern methods.
CH-336/346-E	Know the role of agriculture chemistry and its potential

Environmental Chemistry	CO-1. Know the role of environmental chemistry and its potential CO-2. Understand the basic concept of soil, properties of soil & its classification on the basis of pH. CO-3. Know the different plant nutrients, their functions and deficiency symptoms. CO-4. Identify the problematic soil and recommend a method for their reclamation. CO-5. Have the knowledge of various pesticides, insecticides, fungicides and herbicides. and their pollution effects
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DEPARTMENT OF PHYSICS

Programme Outcomes: B. Sc Physics

Physics (Semester-III /IV)

Department of Physics	After successful completion of three year degree program in Physics a student should be able to;
Programme Outcomes	<p>PO-1. Demonstrate, solve and an understanding of major concepts in all disciplines of physics.</p> <p>PO-2. Solve the problem and also think methodically, independently and draw a logical conclusion.</p> <p>PO-3. Employ critical thinking and the scientific knowledge to design, carryout, record and analyze the results of Physics experiments.</p> <p>PO-4. Create an awareness of the impact of Physics on the society, and development outside the scientific community.</p> <p>PO-5. PO-6. To inculcate the scientific temperament in the students and outside the scientific community.</p> <p>PO-7. Use modern techniques, decent equipments and Phonics software's</p>
Programme Specific Outcomes	<p>PSO-1. Gain the knowledge of Physics through theory and practical's.</p> <p>PSO-2. Understand good laboratory practices and safety.</p> <p>PSO-3. Develop research oriented skills.</p> <p>PSO-4. Make aware and handle the sophisticated instruments/equipments</p>
Course Outcomes B. Sc Physics Semester-III/IV	
Course	Outcomes After completion of these courses students should be able to;
PH-331/341 Mathematical Methods in Physics II	<p>CO-1. Know the Cartesian, spherical polar and cylindrical co-ordinate systems.</p> <p>CO-2. To understand the Special Theory of Relativity.</p> <p>CO-3. Discuss the Michelson- Morley Experiment.</p> <p>CO-4 To obtain the series solution by Frobenius method .</p> <p>CO-5 Study the Generating function for Legendre, Hermite</p>

	polynomials
PH 332/342 Solid State Physics	CO-1. Know the principles of structures determination by diffraction CO-2. To understand the principles and techniques of X-rays diffraction CO-3. Know the fundamental principles of semiconductors and be able to estimate the charge carrier mobility and density CO-4. To give an extended knowledge about magnetic properties like diamagnetic, paramagnetic, ferromagnetic, ferrites and Superconductors
PH-333: Classical Mechanics	CO-1. Understand Newton's Laws of motion and their applications such as projectile and rocket motion CO-2. Gain the knowledge of motion in central force field CO-3. Classify elastic and inelastic scattering CO-4. Know the difference between Laboratory and centre of mass system CO-5. Understands Lagrangian and Hamiltonian formulation CO-6 Solve the problems using Lagrangian and Hamiltonian formulation CO-7 Get knowledge of canonical transformation and Poisson's Bracket
PH-334/343 Atomic and Molecular Physics	CO-1. To know the Rutherford Experiment of atom. CO-2. To understand molecular spectra of atom. CO-3. To study the Raman spectra. CO-4. To study the Zeeman Effect. CO-5. To understand the Quantum Numbers.
PH-335/345 Computational Physics	CO-1. Write algorithm and flow chart for c-programming language. CO-2. To use of iterative, decision making and the jump statement. CO-3. Understand the concept of arrays and pointers. CO-4. Study of user defined functions and program structures. CO-5. Able to use the concept graphics in c language.
PH-336 B: Elements of Materials Science	CO-1. To study the Mechanical, Electrical and Thermal Properties of material. CO-2. Discuss the type of Phase Diagrams. CO-3. Know the solid solution and types of solid solution. CO-4. Understanding the Point Defect, Line Defect with example. CO-5. Study the Diffusion Mechanism. CO-6. Know the difference between Elastic and Plastic Deformation. CO-7. To understand the Polymer Vulcanization of rubber. CO-8. Know the AX-type crystal structure – eg. NaCl, ZnS etc.

DEPARTMENT OF BOTANY

Programme Outcomes: B. Sc BOTANY

Botany (Semester-III /IV)

Department of Botany	After successful completion of three year degree program in Botany a student should be able to;	
Programme Outcomes	<p>PO-1. Demonstrate, solve and an understanding of major concepts in all disciplines of Botany.</p> <p>PO-2. Solve the problem and also think methodically, independently and draw a logical conclusion.</p> <p>PO-3. Employ critical thinking and the scientific knowledge to design, carryout, record and analyze the results of Botany experiments.</p> <p>PO-4. Create an awareness of the impact of Botany on the society, and development outside the scientific community.</p> <p>PO-5. PO-6. To inculcate the scientific temperament in the students and outside the scientific community.</p> <p>PO-7. Use modern techniques, decent equipments and soft wares</p>	
Programme Specific Outcomes	<p>PSO-1. Gain the knowledge of Botany through theory and practicals.</p> <p>PSO-2. Understand good laboratory practices and safety.</p> <p>PSO-3. Develop research oriented skills.</p> <p>PSO-4. Make aware and handle the sophisticated instruments/equipments</p>	
Course Outcomes B. Sc Botany		
Class	Course	Course Outcomes
F. Y. B. Sc Botany (Annual Pattern)	111: Plant Diversity, Plant Morphology and Anatomy	To provide thorough knowledge about various primitive plant groups.
	112: Industrial Botany	To make the students aware of applications of different plants in various industries To highlight the potential of these studies to become an entrepreneur

	Practical	To get acquainted with the subject in live form and visits to industries
S. Y. B. Sc Botany Semester I	211: Taxonomy of Angiosperms and Plant community	To provide thorough knowledge about various highly evolved plant groups and their community structure
	212: Plant Physiology	To study the different metabolic process for synthesis of food material
S. Y. B. Sc Botany Semester II	221: Plant Anatomy and Embryology	Internal structure will be observed for further studies as well as to study the developmental pattern of plant
	222: Plant Biotechnology	To study the techniques of multiplication and nanotechniques
	Practical based on theory course	To equipped the students with skills related to laboratory as well as field based studies
T. Y. B. Sc. Botany Semester III	331 Cryptogamic Botany	Interpret the performance characteristics & life cycles of various lower plants
	332 Cell and Molecular Biology	To develop the mind from the cellular to molecular level.
	333 Genetics and Evolution	Analyze the evolution with genetical characteristics for future aspects
	334 Spermatophyta and Palaeobotany	Evaluate the performance of various line of evolution with respect to live and fossil forms
	335 Horticulture and Floriculture	To develop the skills to become entrepreneurship for small scale startup
	336 Computational Botany	Apply optimization, numerical methods, statistical methods to solve problems

DEPARTMENT OF ZOOLOGY

Programme Outcomes: B. Sc. Zoology

Zoology (Semester-III /IV)

Sr. No.	Program	Program Objectives	Program Specific Objectives
1	B.Sc. Zoology	Inspire the students for pursuing higher studies in Zoology and for becoming an entrepreneur and also enable students to get employed in the Biological research Institutes, Industries, Educational Institutes and in the various concerning departments of State and Central Government based on subject Zoology.	<p>PSO1. To provide thorough knowledge about various animal sciences from primitive to highly evolved animal groups.</p> <p>PSO2. To make the students aware of applications of Zoology subject in various Industries.</p> <p>PSO3. To highlight the potential of various branches to become an entrepreneur.</p> <p>PSO4. To equip the students with skills related to laboratory as well as field based studies.</p> <p>PSO5. To make the students aware about conservation and sustainable use of Biodiversity.</p> <p>PSO6. To inculcate interest and foundation for further studies in Zoology.</p> <p>PSO7. To address the socio-economical challenges related to animal sciences.</p> <p>PSO8. To facilitate students for taking up and shaping a successful career in Zoology.</p>

Course Outcomes B. Sc Zoology

Sr. No.	Course	Course Outcomes
1	F.Y.B.Sc. Zoology	CO1. Exposure to diversity in animal groups and industries based on the zoological areas are covered. CO2. The practical course is aimed to equipped the students with skills required for animal identification, morphological, anatomical, technical description, classification and also applications of zoology in the various industries.
2	S.Y.B.Sc. Zoology	CO1. The level of the theory and practical courses are one step ahead of the first year B.Sc. courses based on content of first year syllabus. CO2. The course intends to inform the students in Animal Systematics, Animal Diversity and applied field of Zoology such as Fisheries, Apiculture, Sericulture, etc.

DEPARTMENT OF MATHEMATICS

Department of Mathematics	After successful completion of program in Mathematics a student should be able to;
Programme Outcomes	<p>PO-1. Demonstrate, solve and an understanding of major concepts in all disciplines of Mathematics.</p> <p>PO-2. Solve the problem and also think methodically, independently and draw a logical conclusion.</p> <p>PO-3. Employ critical thinking and the scientific knowledge to design, carryout, record and analyze the results of Mathematics experiments.</p> <p>PO-4. Create an awareness of the impact of Botany on the society, and development outside the scientific community.</p> <p>PO-5. PO-6. To inculcate the scientific temperament in the students and outside the scientific community.</p> <p>PO-7. Use modern techniques, decent equipments and soft wares</p>
Programme Specific Outcomes	<p>PSO-1. Gain the knowledge of Botany through theory and practicals.</p> <p>PSO-2. Understand good laboratory practices and safety.</p> <p>PSO-3. Develop research oriented skills.</p> <p>PSO-4. Make aware and handle the sophisticated instruments/equipments</p>
	Course Outcomes
F.Y.BSc. ALGEBRA AND GEOMETRY	<p>CO-1 Prove a statement $P(n)$ using the Principle of mathematical induction (Strong form)</p> <p>CO-2 Solve examples of Divisibility on Z using Division Algorithm and Euclidean Algorithm</p> <p>CO-3 Prove ,every Partition is an equivalence relation and vice-versa</p> <p>CO-4 Define Congruence ,Residue Classes, Addition Modulo n and multiplication Modul.</p> <p>CO-5 Find G.C.D. of two polynomials and show relation between the roots and the coefficients of the polynomial</p> <p>CO-6 Reduce a matrix to Echelon form or reduced row echelon form to find rank</p>

	<p>of it. Solve</p> <p>homogeneous and non-homogeneous system by Gauss elimination and Gauss Jordan Method</p> <p>CO-7 Find Eigen values, Eigenvectors.</p> <p>CO-8 Verify Cayley Hamilton Theorem and its use to find the inverse of a matrix.</p>
Calculus and Differential Equations	<p>CO-1 Solve examples on change of axes using translation and rotation</p> <p>CO-2 :- Reduce the two dimension equation to the standard form and name the conic.</p> <p>CO-3 Obtain the equation of plane in normal form and intercept form</p> <p>CO-4 Find Length of the perpendicular from a point to a plane</p> <p>CO-5 Find bisectors of angles between two planes and joint equation of two planes.</p> <p>CO-6 :- Find symmetrical form of a line, shortest distance between the two lines and line of shortest distance between two straight lines.</p> <p>CO-7 :- Find equation of a sphere in various forms, Sphere through a given circle.</p> <p>CO-8 Find intersection of two spheres, plane section of sphere and intersection of a sphere and a line.</p>
S. Y. B. Sc Multivariable calculus I	<p>CO-1 Sketch the level curves of functions of two variables.</p> <p>CO-2:- Discuss limit and continuity of functions in two and three dimension.</p> <p>CO-3 :- Understand definition of derivative.</p> <p>CO-4:- Find second order partial derivative and partial derivatives of higher order.</p> <p>CO-5 Prove differentiability of a function at a given point</p> <p>CO-6 Find directional derivative of a scalar function, equations of Tangent planes and normal lines.</p> <p>CO-7 Find the extreme values of one constraint function by Lagrange's Multiplier method.</p>
Discrete Mathematics Paper- IIA	<p>CO-1 Define Propositional logic, Propositional equivalences</p> <p>CO-2 Find Predicates and quantifiers</p> <p>CO-3 Find Nested quantifiers.</p> <p>CO-4 Introduction to proofs and Rules of inference.</p>

	<p>CO-5 State and Prove The basics of counting</p> <p>CO-6 Basics of Permutation and combinations. Generalization of permutation and combinations.</p> <p>CO-7 Using Inclusion-Exclusion principal solve some examples</p>
<p>Discrete Mathematics</p> <p>Paper –IIB LAPLACE TRANSFORM AND FOURIER SERIES</p>	<p>CO-1 Find Laplace Transforms of some elementary functions, derivatives, integrals</p> <p>CO-2 Define Gamma function, Unit Step function, Dirac Delta function.</p> <p>CO-3 Find inverse Laplace Transform of some elementary functions, derivatives, integral.</p> <p>CO-4 Find solution of Ordinary Differential Equation with constant coefficients using Laplace Transform.</p> <p>CO-5 State and Prove Convolution theorem for inverse Laplace Transform.</p> <p>CO-6 Find Fourier Series expansion of some elementary functions</p>

DEPARTMENT OF ENGLISH

• Programme Specific Outcomes(PSO) •

Literature courses of English provides an opportunity to study & implement world best literature of all countries along with its history, Social, Cultural & political background.

Literature provides imaginative & critical insights into all areas of human life.

•Programme Outcomes•

Developing intellectual, personal & professional abilities through effective communicative skills, ensuring high standard of behavioural attitude through literary subject & shaping the students socially responsible/ citizens.

•Programme Specific Outcomes•

- Students will be accurate both in oral & written communication as well as Grammar & its usage.
- They can apply critical frameworks to analyze the linguistic, cultural & historical background of texts written in English.
- They will be familiar with the convention of diverse textual genres including fiction, non-fiction, poetry, autobiography, biography, journal film play, editorial etc.

•Course Outcomes•

- **Literature** - To get acquainted with the master- pieces of literature along with their socio- political, history & cultural aspects of life.
- **Language** - To trace out the history of eng- language & varied components of linguistic structure of the language.
- **Grammar-** To know the fundamental principles English grammar including part of speech, types of sentences, its analysis etc.
- **Indian writing in English** - To learn the native literature with its literary, societal, cultural, biographical & historical background of the greatest Indian Writers in English.
- **Translation** - To the principles of translations

DEPARTMENT OF HISTORY

After completion of the programme the students should be able to know

- Student enables to Evaluate, analyze and synthesize historical materials (primary and secondary sources).
- Student enables to Recognize and explain the historical development of cultures.
- Student understands to Evaluate and recognize different Empire in Indian history.
- Student Identify the role of theory and methodology in the production of historical knowledge
- Student Identify and critique basic historical concepts

PROGRAM SPECIFIC OUTCOMES: BA History

On Completion of the BA (History) Students are able to:

1. A history graduate can find employment with Archaeological Survey of India or with private firms related to archaeology.
2. For History graduates, the option of public service is always open.
3. Work as a teacher in schools and high schools
3. Serve as conservator and tourist guide in historical monuments.
4. NGOs and Social Welfare Organizations also employ BA History graduates.
5. Writer/Subject Matter Expert

COURSE OUTCOMES: B.A. History

F.Y.B.A.

History General -1

(1177) Chh. Shivaji and His Times (1630 to 1707)

1. Students got knowledge of concept of Shivaji and his times.
2. Student view increased of Nationalism and Secularism.
3. Students got knowledge of administration of Shivaji Maharaj.
4. Introduced to student social, economic and religious condition.

S.Y.B.A.

History General - 2

(2177) Modern India (1857-1950)

1. "History of Modern India" topic as a part of History is a very important section as far as the Syllabus of any competitive examination is possible, especially Civil Services exams.
2. Students understand of the stages of development in Modern India, why certain events happened and analysis of the consequences of such developments that paves an impact on our society, economy and our political system.
3. Modern Indian history Importance For competitive examination.

History Special- 1

(2178)- Ancient India (3000B.C. to 1260AD.)

1. Ancient Indian history is very importance for UPSC Examination.
2. When students doing study of ancient Indian history that time they know about original culture religion and society.
3. Increasing student's wideness.
4. Student capable for discuss any Social issue.

History Special – 2

(2179) - History of Modern Maharashtra (1818-1960)

1. Students got knowledge of concept History of modern Maharashtra.
2. Modern Maharashtra history is useful to student for MPSC examination.
3. National and social movement in Maharashtra Introduced to students.
4. Student got knowledge of Maharashtra Philosophers and their philosophy

Department of History

T.Y.B.A.

History General - 3

(3177)-History of the World in 20th century

1. Students got knowledge of concept in world history.
2. Students got global event knowledge it is use for increased intellectual level.
3. World trend of thinking, Marxist, Communalism, Dictatorship, Empearalism, Nazizum, fascism, Terrorism, Feminism, Globalization, etc introduced to Students.

History Special - 3

(3178)- Introduction to History

1. Students known source of history,
2. Practically student known to how much write history.
- 3 Increased the knowledge of research in history
4. Students know external and internal Criticism.

5 Students know historian works.

History Special - 4

(3179) History of Asia in 20th Century

1. Students know history of America.
2. Concept of American history introduced to Students
3. Students know causes of Great Depression and policy of New Deal and Fear Deal.
4. Students know American politics in world.
5. Students got knowledge of international relation with America.

DEPARTMENT OF POLITICAL SCIENCE

Program Outcomes: BA POLITICAL SCIENCE

After completion of BA programme students will be able to ...

- Students enable to develop academic proficiency in the subfields of Indian Government and Politics, Comparative Government, International Relations, Public Administration, Political Theory, and Political Ideology.
- Students enable to develop and be able to demonstrate skills in conducting as well as presenting research in political science.
- Students enable to analyze political and policy problems and formulate policy options.
- Students enable to discuss the major theories and concepts of political science and its subfields, and also deliver thoughtful and well articulated presentations of research findings.

PROGRAM SPECIFIC OUTCOMES:

BA Political Science

On Completion of the BA (Political Science) Students are able to:

1. Serve as a politician
2. Work as a teacher in colleges, schools and high schools
3. Serve as political party member, political adviser, and well citizen of India.
4. Work in elections and political as well as administrative system.
5. Serve in forest department as forest conservator.
6. Can admit to MA Politics, LLB, MSW, MBA,
7. Work in NGOs.
8. Can Prepare for Competitive exams.

Department of Political Science

FYBA

Indian Government and Politics (G-1)

- Students enable to understand the philosophy of Indian constitutions.
- Students enable to identify the causes, impact of British colonial rule.
- Students enable to appreciate the various phases of Indian national movement.
- Students enable to create value in young youth regarding the patriotism.
- Students enable to understand the various Government of Indian acts their provision and

reforms.

- Students enable to know the salient features in making of Indian constitution
- Students enable to appreciate the socio-economic political factors which lead to the freedom struggle.
- Students enable to appreciate the fundamental rights and duties and the directive principle of state policy
- Students enable to evaluate the evolution, functioning and consequences of political parties in India.
- Students enable to identify how electoral rules and procedure in India effect election outcomes.

SYBA

Political Theory (G-2)

- Students enable to understand the nature and scope of political theory.
- Students enable to understand the significance of political theory.
- Students enable to acquaint with the theories, approaches, concepts and principles of political theory.
- Students enable to appreciate the procedure of different theoretical ideas in political theory.
- Students enable to Interpret and assess information regarding a variety of political theory.
- Students enable to understand the various traditional and modern theories of political science.
- Students enable to evaluate the theories of origin of the state.

Western Political Thought (S-1)

Students enable to:-

- Examine political thought through the Classical, Renaissance, and Enlightenment periods based on the works of Plato, Aristotle, Machiavelli, Hobbes, Locke, Rousseau, Tocqueville, and Marx;
- Compare and contrast the concepts of justice, freedom, equality, citizenship, and sovereignty in the works of Machiavelli, Hobbes, Locke, and Rousseau;
- Explain the different versions of, and importance of, the state of nature to political thought;
- Explain Karl Marx's worldview, with particular regard to his critique of democracy and

the modern, politically liberal state; how it came to be; and its fundamental link to capitalism; and

- Explain John Stuart Mill's theory on utilitarianism and how he applies it to society and the state.

Political Sociology (S-2)

- Have good knowledge about main issues and topics in political sociology.
- Be able to understand basic principles of the exercise of power, of the state relations with civil society; individual and group interactions in the political realm.
- Achieve practical skills of analysis of social phenomena in their political settings.
- Acquire habits of socio-political information finding, sorting and critical examining.
- Foster skills of public presentations and discussions.

TYBA

Evaluation of Local Government in Maharashtra (G-3)

- Students enable to explain the role of British imperial on local government in India.
- Students enable to understand the contributions of various committees on local government.
- Students enable to describe the features and provisions of Constitutional Amendment Acts regarding Local Government Institutions.
- Students enable to equip the learner to play an active and responsible leadership role in the functioning of Local Government Institutions.
- Students enable to describe the significance and role of Grama Sabha in Maharashtra.

Public Administration (S-3)

- Students enable to demonstrate understanding of various activities of governmental administrators that fall under the rubric of public administration to include rule-making, ratemaking, and other regulatory activities, policy making and the delivery of services and programs
- Students enable to understand the 20th century emergence of the modern administrative state as a result of the technological, social, economic and political pressures that have emerged in national industrialized and developed complex, interdependent systems.
- Students enable to understanding of public administration as a career field in government.

International Politics (S-4)

- Students enable to understand the evolution, scope and significance of international relations
- Students enable to demonstrate an understanding of: the key historical events and also they enable to understand contemporary international system; and the key actors which shaped the international Politics.
- Students enable to discuss the main international relations theories.
- Students enable to analyze importance of International relation in process of nation progress.
- Students enable to appreciate the foreign policy their determinants features& its relevance.

DEPARTMENT OF GEOGRAPHY

COURSE OUTCOMES:

FYBA

Gg-110 Elements of Geomorphology (G1)

1. Understand the effect of rotation of revolution the Earth
 2. Understand interior structure of the earth
 3. know the importance of longitudes & latitudes
 4. International Date line and Standard time
 5. Understand Theory regarding of Origin of Continents and oceans
 6. Study the formation of Rocks
 7. Understand the work of internal and external forces and their associated Landforms.
 8. Study the erosional and depositional land forms of Rivers and Sea Waves.
 9. Understand the concept of mass Wasting
- Understand the Application of Geomorphology

SYBA

Gg-210: Elements of Climatology and Oceanography (G2)

1. Understand the importance of Atmosphere
2. Understand heat balance.
3. Understand the types of winds
4. Understand the structure, composition of Atmosphere.
5. Understand weather phenomena winds, humidity and precipitation.
6. Understand properties of ocean water.
7. Knowledge about effect of ocean Currents.
8. Study about types of tides.
9. Study of costal environment and Ocean Resources

Gg-220: Economic Geography (S1)

1. Study the Human Economic Activities
2. Explain the Weber theory of Industrial Location
3. Understand the mineral and power resources
4. Study conventional and non-conventional energy resources

Department of Geography

5. Study of the distribution of Iron and Steel, Automobile, Cotton Paper and Ship Building Industries in India

6. Get knowledge about types of agriculture, trade and transport.

7. Aware the student about need of conservation and Protection of natural resources.

8. Study of Transport and Trade

9. Understand the concept of Privatization, Globalization and Liberalisation

Gg201 Fundamentals of Geographical Analysis (S2)

1. Measure Map Scales, conversion of scales

2. Understand types of projections

3. Preparation of various graphs and diagrams

4. Get knowledge about Statistical Methods.

5. Understand the different surviving techniques like, plane table, prismatic survey.

6. Acquire knowledge of preparation of drawing of profile with the help of Dumpy level.

7. Understand the socio economic condition of the villages.

DEPARTMENT OF PSYCHOLOGY

Department of Psychology	After successful completion of three year degree program in Psychology a student should be able to
Programme Outcomes	<p>PO-1. Able to understand basic concepts of Psychology.</p> <p>PO-2. Understand the impact of environment, society, heredity on persons Behaviour.</p> <p>PO-3. Understand the human social behavior.</p> <p>PO-4. Awareness of self and social well being.</p> <p>PO-5. Think scientifically about surrounding human behavior.</p> <p>PO-6. Understand human development.</p> <p>PO-7. to write study tour report</p>
Programme Specific Outcomes	<p>PSO -1. To get admission post graduation course in Psychology.</p> <p>PSO-2. To interpretation of data and make project/research.</p> <p>PSO-3. To write scientific case study report.</p> <p>PSO-4. To use of basic psychological tests and experiments.</p> <p>PSO-5. Identify and Think on the various psychological problems.</p> <p>PSO-6. Make use of personality theories in daily practice.</p> <p>PSO-7. Make Use of Industrial theories while preparing for professional interviews.</p> <p>POS-7. Analyze and understand abnormal human behavior in practice</p>
COURSE OUTCOMES: B. A.PSYCHOLOGY	
Course	Outcomes After completion of these course students should be able to
GENERAL PSYCHOLOGY F. Y. B. A	<ol style="list-style-type: none"> 1.To able to understand basic principles of Psychology. 2. To able to understand historical trends of Psychology <p>To able to understand Major concepts, different perspectives of Psychology.</p> <ol style="list-style-type: none"> 4. To able to understand an overview of the applications of Psychology. 5. To able to understand Career opportunities in Psychology. 6. To understand Roll of Biological base in human behavior. 7. To understand Emotion, Motivation and Sensory Processes. 8. To Learn applications of various techniques of psychology.

	SYBA
2227 SOCIAL PSYCHOLOGY(G2)	<ol style="list-style-type: none"> 1.To create the awareness among the students of Social Psychology and it's various fields. 2. To able to understand Social behavior. 3. To understand Self Concept and How to develop it. 4. To able to understand Important role of Social relations in individuals life. 5. To able to understand Attitudes, How prejudice are take place and its effect on behavior. 6. To able to understand Aggression and how to control it. 7. To able to understand the ways of communication and its applications. 8. To able to understand the leadership and its characteristics. 9. To learn various applications and techniques of Social Behavior
SYBA 2228: Abnormal Psychology (S1)	<ol style="list-style-type: none"> 1.Student is expected to acquire knowledge of causes, symptoms and treatment of various psychological disorders. 2. To understand the criteria of abnormal behaviour
2229 Developmental Psychology. (S2)	<ol style="list-style-type: none"> 1.To able to understand influences of various factors on development. 2. Able to understand basic concepts human development process. 3. To understand how birth (process) takes place. 4. Able to understand development of language. 5. To understand cognitive development process. 6. To understand physical, motor and development of relations. 7. To learn Physical and mental changes in Adolescence. 8. To learn all stages of life span and understand its good and bad impact on life.
	TYBA
3227 INDUSTRIAL. PSYCHOLOGY (G3)	<ol style="list-style-type: none"> 1. To understand the differences between Economic growth an 2.To learn about industrial and organizational psychology. 3. To able to understand Selection and training programme 4. To able to learn evaluating job performance and application. 5.To understand motivation at the workplace. 6. To understand leadership, leadership qualities and functions of leaders of industrial Psychology. 7. To learn new concept „engineering psychology“ for easier work for workers

<p>3228 SCIENTIFIC RESEARCH AND EXPERIMENTAL PSYCHOLOGY (S3)</p>	<ol style="list-style-type: none"> 1.To acquire basic skills and understand basic concept of Research methodology. 2. To understand how to make small research project. 3. To learn making group report/project. 4. To able to understand theory of research. 5. To understand Psychophysics. 6. To understand the perceptual processes. 7. To learn psychological testing. 8. To understand thinking processes. 9. To understand problem solving concept.
<p>3229 PSYCHOLOGY PRACTICAL: TEST AND EXPERIMENTS. (S4)</p>	<ol style="list-style-type: none"> 1.To able to understand basic concepts in Statistics. 2. To understand and solve the simple statistical problems. 3. To able to understand and use of general and special ability testing. 4. To learn how measure the individuals personality through using appropriate psychological test. 3. To able to use various type of tests. 4. To learn group testing with small sampling. 5. To able to understand concept of report writing and interpretation of data. 6. To learn to make project practically with minimum sample of 30. 7. To observe various problems in society and make the project on one issue or problem. 8. To learn making study tour report and process of study tour

DEPARTMENT OF ECONOMICS

COURSE OUTCOMES: B. A. Economics

FYBA

ECO-1157- Indian Economy – Problems and Prospects (G-1)

On completion of the course, students are able to

1. Understand nature, Basic Characteristics and Major issues of Indian economy
2. Understand population & economic development
3. Understand Poverty and Unemployment Concepts and their trends in Indian economy
4. Understand role of agriculture, industrial sector in Indian economy.
5. Understand economic planning in India
6. Understand Salient Features of Economy of Maharashtra.
7. Understand Role of Co-operative in Economic Development of Maharashtra.
8. Understand Regional Imbalance Causes & Preventive Measures.

SYBA

ECO-2157: Modern Banking (G2)

On completion of the course, students are able to

1. Create the awareness among the students of Modern Banking System.
2. Understand commercial banking system in India
3. Understand working & operation of RBI
4. Understand new development in Indian financial system periods
5. Understand cooperative and rural banking in India
6. Understand non banking financial institutions & financial services in India
7. Understand the Indian money market
8. Understand the Indian capital market
9. Able to understand international aspects of the Indian financial system

ECO 2158: Micro Economics (S1)

On completion of the course, students are able to

1. Student is expected to understand the behavior of an economic agent, namely, a consumer, a producer, a factor owner and the price fluctuation in a market.
2. To understand nature and scope of economics, the theory of consumer behavior, analysis of production function and equilibrium of a producer, the price formation in different markets structures and the equilibrium of a firm and Industry.
3. Understand concept of Revenues and cost of Production.
4. Understand Linear & Non- Linear functional relationship
5. Understand price determination of factors (Rent, wages, interest and Profit.)
6. Understand meaning of social welfare function.

ECO-2159: Macro Economics (S2)

On completion of the course, students are able to

1. Understand macro economic analysis
2. Understand of national income
3. Understand classical & Keynesian theories of output and employment
4. Understand consumption & Investment function
5. Understand process of credit creation by commercial banks
6. Understand Quantity theory of money.
7. Understand various macroeconomic problems.
8. Understand various macroeconomic policies.

➤ .TYBA

ECO-3157: Economic Development and Planning (G3)

On completion of the course, students are able to

1. Understand the differences between Economic growth and Development, Indicators of Economic Development.
2. Understand Characteristics of Developing Countries.
3. Understand Constraints on Development Process.
4. Understand theories and Approaches of economic development.
5. Understand some growth models
6. To understand macroeconomic policies, roll of foreign capital and economic planning etc. in developing countries.

ECO-3158: International Economics (S3)

On completion of the course, students are able to

1. Understand Nature, Scope and Importance of International Economics
2. Understand theories international trade.
3. Understand gains from international trade & their measurements
4. Understand theory of intervention in trade
5. Understand the theory of regional blocks
6. Understand trade policies in India
7. Understand international financial institutions
8. Understand foreign direct investments
9. Understand foreign exchange market

ECO3159: Public Finance (S4)

On completion of the course, students are able to

1. Understand Functions and Role of Government in Economy and Meaning, Nature, Scope & Importance's of public finance.
2. To understand various Approaches about Role of Government and Principle of Maximum

Social Advantage- Dr. Dalton.

3. Understand concept of public expenditure
4. Understand concept of public revenue
3. Understand incidence & approaches of taxation
4. Understand concept of public debt
5. Understand concept of budget & deficit finance
6. Understand taxation & public debt of India
7. Understand fiscal federalism in India

PROGRAM SPECIFIC OUTCOMES: B. A. ECONOMICS

On completion of B.A (Economics), Students are able to:

1. Understand basic concepts of economics.
2. To able to analyze economic behavior in practice.
3. Understand the economic way of thinking.
4. The ability to analyze historical and current events from an economic perspective.
5. The ability to write clearly expressing an economic point of view.
6. Be exposed to alternative approaches to economic problems through exposure to coursework in allied fields.
7. To create students ability to suggest of the various economic problems.

COURSE OUTCOMES: M. A. ECONOMICS

M.A (Part – I) Semester I

EC-1001: Micro Economics analysis

On completion of the course, students are able to

1. Understand the Basic Micro- Economic Problems of Scarcity and Choice, utility demand modern utility analysis, Elasticity of demand.
2. To understand concepts one and two input production function.
3. To understand concepts Law of Variable Proportions Returns to the Variable Factor, Returns to Scale, Cobb- Douglas Production Function.
4. To understand Analysis Characteristics and properties various concepts and Curves of Production cost and Revenue.
5. To understand concepts of Partial and General Equilibrium
6. To understand Concept of Social Welfare

EC-1002: Public Economics-I

On completion of the course, students are able to

1. To understand Role and functions of the Government in an economy.
2. Understand concepts Private Goods, Public Goods, and Merit Goods.

3. To understand and explain various theory and modals for public policy.
4. Understand concept and theories of public expenditure.
5. Understand concept of budget & deficit finance.
6. Understand incidence & approaches of taxation
7. Understand concept of public debt
8. Understand concept of budget & deficit finance
9. Understand taxation & public debt of India

EC-1003: International Trade

On completion of the course, students are able to

1. Understand Classical and Modern Trade Theories international trade.
2. Understand gains from international trade & concepts of term of trade.
3. To understand Trade policy.
4. Understand Effects of Tariffs under Partial and General Equilibrium.
5. To understand Function and Role of GATT, WTO,
6. Understand Composition and Features of Global Trade Growth.

EC-1005: Labours Economics

On completion of the course, students are able to:

1. To understand Nature, Scope and Importance of Labour Economics
1. To understand major events, trends and developments of the labour markets in the real world.
2. To appreciate differences in views of economists both from positive and normative standpoints with respect to issues in the labour markets.
3. To understand Marginal Productivity Theory, Theory of Collective Bargaining, Modern Theory of Wages.
4. To understand Wage Determination in Organized- Unorganized Sector.
5. To understand Approaches to Labour Migration trends & effects of Migration.
6. To understand Labour Unions of Labour Union in India.
7. Understand Labour Market reforms.

M.A (Part – I) Semester II

EC-2001: Micro Economics Analysis – II

On completion of the course, students are able to

1. Understand Structure of markets and Salient features of Monopoly, Imperfect Competition oligopoly & duopoly.
2. To understand explain the theories of Monopoly, Imperfect Competition oligopoly & duopoly.
3. Understand theory of distribution

4. Understand general equilibrium & economic efficiency & welfare.
5. To understand explain the Goal of Profit Maximization and Alternative Theories of the Firm.
6. To understand Arrow's Impossibility Theorem.

EC- 2002: Public Economics-II

On completion of the course, students are able to

1. To understand various view of public Debt and Sources of Public Debt
2. To understand Burden of Public Debt on Indian Economy and Principles of Debt Management and Repayment.
3. To understand Interdependence of Fiscal and Monetary Policies.
4. To understand Meaning and Components. Preparation, Presentation and Execution of Budget.
5. Understand concept of budget & deficit finance.
6. Understand fiscal administration & public governance in India
7. Understand taxation & public debt of India
8. Understand fiscal federalism in India
9. To understand Fiscal Sector Reforms in India
10. To understand Budget Management & Kelkar Committee Recommendations

EC-2003: International Finance

On completion of the course, students are able to

1. Understand Balance of Trade and Balance of Payments- Meaning, Structure and Components Balance of Payments and Causes of Disequilibrium in BOP.
2. Understand foreign exchange market.
3. To understand Purchasing Power Parity Theory, Balance of Payments Theory, Monetary Models for Determination of Rate of Exchange.
4. Understand Current and Capital Account Convertibility of Rupees.
5. To understand Importance and Role of Foreign Capital-Trade and Investment, Theories of International Investment.
6. Understand international financial institutions
7. Understand the role of foreign direct investments

EC-2005: Industrial Economics

1. To provide a thorough knowledge about the economics of industry in an analytical manner in the Indian context.
2. To make the students aware of the basic issues such as productivity, efficiency and capacity utilization involved in the industrial development of India.
3. To impart the knowledge of how the firms interact in different markets, what are the main effects of their interactions for the social welfare.

4. To make the students aware of what strategic and non-strategic factors can influence the market performance.
5. To understand Industrial Structure in India.
6. To understand Theories of Industrial Location.
7. To understand Measures required for improving productivity and efficiency.
8. To understand Meaning, scope, importance of industrial finance.

M.A (Part –II) Semester III

EC-3001: Macro Economic Analysis – I

On completion of the course, students are able to

1. To understand Macroeconomics is not only a scientific method of analysis; but also a body of empirical economic knowledge.
2. To stimulate among the students an awareness on macroeconomic challenges and policy management in progressive nations
3. Understand various concepts of National income.
4. To understand Determination of output and employment Effects of change in Aggregate Demand and Supply Curves - Classical Approach
5. Understand nature classical & Keynesian theories of employment
6. To understand Fiscal policy and crowding out effect, Optimum Policy mix with IS-LM Model.
7. Understand measures of money supply.
8. Understand various theories of demand for money.

EC-3002: Growth and Development –I

On completion of the course, students are able to

1. Understand conceptualizing growth and development, Characteristics of LDCs.
2. To understand the world distribution of income and Development gap.
3. Understand theories of economic development
4. Understand concept of poverty & development
5. Understand population & human development
6. To understand Theories of Economic Growth and Development

Ec-3003: Modern Banking

On completion of the course, students are able to

1. To understand Nature, structure and role of financial system in economic Development and Functions of financial system.
2. Understand the Indian money & Capital market.
3. To understand role and functions of modern banks in India.
4. Understand non banking financial institutions & financial services in India.

5. Understand cooperative and Regional rural banking in India
6. To understand Current challenges faced by banking sector in India.
7. To understand Nature and role of foreign exchange market.
8. To understand Role of foreign direct investment.
9. To understand Working and role of IMF, IBRD, IDA, IFC

Ec-3004: Demography

On completion of the course, students are able to

1. To understand Nature, Scope and Relationship between development and Population growth.
2. Understand various theories of Population.
3. To understand Structure and characteristics Indian population.
4. To understand an analysis of Indian population policy.

M.A (Part –II) Semester IV

EC4001: Macro Economic Analysis - II

On completion of the course, students are able to

1. To understand theories of money supply and liquidity.
2. To understand Classical and Modern theories of Demand for Money and Price.
3. Students will be able to describe the determinants of the demand for money, the supply of money and interest rates and the role of financial institutions in the economy.
4. Students will be able to define fiscal and monetary policies and how these affect the economy.
5. To understand various Theories of Interest Rates.
6. Understand fiscal policy.

EC4002: Growth and Development –II

On completion of the course, students are able to

1. Understand the role of agriculture and Industry in development.
2. To understand the employment argument Police Environment.
3. Understand issues & techniques of economic growth
4. Understand some growth models
5. Students will be able to describe Trade as an engine of growth.
6. To understand the role of IMF, World Bank, FII and FDI
7. To understand the role of the government and markets in the developmental process

EC-4003: Research Methodology

On completion of the course, students are able to

1. To learn and appreciate alternative methodologies in terms of sampling designs, data collection techniques and in the methods of data analysis.

2. Understand concepts of research designing
3. Understand concepts of hypothesis testing methods
4. Able to understand measuring central tendency
5. Able to understand dispersion and co-efficient
7. Able to understand methods of correlation
8. Understand contents of report writing
9. Students will be able to describe Information Systems and knowledge management Computerized data processing.

EC-4004: Rural Development

On completion of the course, students are able to

1. Students will be able to describe objective, importance and various approaches to Rural Development.
2. To understand the Rural Administrative machinery.
3. To understand and explain role of Rural Infrastructure in rural Development.
4. To understand Problems of Rural Development in India.
5. Students will be able to critical assessment of rural development programs as a part of inclusive and sustainable growth.

PROGRAM SPECIFIC OUTCOMES: MA Economics

On completion of the M.A. (Economics), students are able to:

1. To provide the students with a unique opportunity of obtaining a professional qualification in economics focusing on the advanced practical areas
2. Understand basic concepts of economics and to analyze economic behaviour in practice
3. Understand the economic way of thinking.
4. The ability to analyze historical and current events from an economic perspective.
5. The ability to write clearly expressing an economic point of view.
6. Students will be able to effectively communicate economic ideas.
7. Be exposed to alternative approaches to economic problems through exposure to coursework in allied fields.
8. To create students ability to suggest of the various economic problems
9. To develop comprehensive understanding of interdisciplinary issues and aspects of society.
10. Economics majors will be able to apply advanced microeconomic and macroeconomic theories to explain the behaviour of individuals, businesses, and industries in market-based systems and the challenges of developing economies
11. Economics majors will be able to explain the role of government in the economy, including taxing, spending, regulating and producing.

12. Predict the impact of fiscal and monetary policy – use of deficits, changes in the money supply, etc. – on overall economic performance.
13. Explain and discuss the determinants of economic growth.
14. Discuss the costs and causes of unemployment, and assess public policies to ameliorate it.
15. Students will be able to formulate informed opinions on policy issues and recognize the validity of opposing viewpoints.
16. Discuss economic globalization and the inter-connectedness of nations.
17. To prepare the students for variety of challenging careers through Innovation in teaching and research.
18. To prepare the students for scientific research in economics

2.6.2. Programme Specific Out Comes

1.PSO :-

This programme could provide well trained professionals for the Industry Banking Section. Insurance companies, financing companies, transport agencies, warehousing etc. to meet the well trained manpower requirements. The graduates will get hands on expenses in various aspects acquiring skills for marketing manager, selling manager overall administration abilities of the company.

PSO:-2

The students should process the knowledge, skill and attitudes during the end of the B.Com degree course by virtue of the training they can become an manager accountant. Management Accountant, Cost Accountant, Bank Manager, Auditor Company. Secretary Teacher professor stock agents Government Jobs etc.

PO1. - Programme Outcomes The program aims to cultivate in students virtues of commerce professionals to effectively contribute to need of society.

PO2. - Develop fundamental knowledge of accountancy, Auditing, Taxation, Finance, Marketing & provide innovation solutions to problems in business.

PO3. - To develop understanding of law & management functions through accounts & finance.

PO4. - Develop leadership qualities & integrate business systems.

PO5. - Encourage the students for higher studies & research in commerce.

PO6.- Be able to communicate their ideas with industry effectively & efficiently.

PO7. - Develop ability to work at individual level.

PO8. - Be able to integrate latest technology & apply it.

PO9. - Develop business models & be responsible global citizens.

PO10.- Handle information technology & accounting tools in decision making.

PO11. - The programme is useful to develop the awareness of business law to start new business after their graduation.

PO12. - The programme boosts the organisational skill of students and further development of overall personality development skills as per the need of society.

PO13.- Development of bargaining power amongst the students help them to become good buyer.

PO14. - To develop numerical abilities of students.

PO15. - To develop language abilities of students.

PO16. - To inculcate writing skills and Business correspondence.

PO17. - To create awareness of Law and Legislations related to commerce and business.

PO18. - To introduce recent Trends in Business, Organizations and Industries.

PO19. - To inform about Economics Environment of Country as well as World.

PO20. - To acquire practical skill related with banking and other business.

PO21. - To provide a platform for overall development of students and develop knowledge level and awareness of students about Recent Trends of the World.

The Course Outcomes of UG Course, B. A. in HINDI

After Completion of B. A. in Hindi (General), Students will be Able To:

- Develop Competency In Literary Forms. (Hindi Poetry & Fiction)
- Develop Reading, Writing & Communication Skills In Hindi.
- Get Information About The History Of Ancient, Medieval And Modern Hindi Literature.
- Learn The Literary Works On The Basis Of The Foundation Laid By The Scholars.
- Get Information About The Literary Theories.
- Develop Approach Of Hindi Linguistics & Grammar.
- Get The Jobs For Their Livelihood.
- Be Motivated For Their Further Education

The Course Outcomes of UG Course, B. A. in MARATHI

**After Completion of B. A. in Marathi (General),
Students will be Able To:**

- Develop Competency In Literary Forms. (Marathi Poetry & Fiction)
- Develop Reading, Writing & Communication Skills In Hindi.
- Get Information About The History Of Ancient, Medieval And Modern Marathi Literature.
- Learn The Literary Works On The Basis Of The Foundation Laid By The Scholars.
- Get Information About The Literary Theories.
- Develop Approach Of Marathi Linguistics & Grammar.
- Get The Jobs For Their Livelihood.
- Be Motivated For Their Further Education