



## Course Outcomes (COs) – B.A

SUBJECT	COURSE	COURSE OUTCOMES
ECONOMICS	<p>PART I: PAPER 1. HISTORY OF ECONOMIC THOUGHT. 2. ECONOMIC THEORY I</p> <p>PART II : PAPER 1. ECONOMICS OF DEVELOPMENT AND PLANNING IN INDIA 2. ECONOMIC THEORY II</p> <p>PART III : PAPER 1. HISTORY OF ECONOMIC THOUGHT 2. BASIC STATISTICS AND ELEMENTARY MATHEMATICS</p>	<p><b>After completing the course the students will be able to learn-</b></p> <p>Analysis and Economic History, Indian Economic Thought. Theory of Demand, Production, Market Demand and Market Supply, Price and Output, Marginal Productivity, Sustainable economic development, Problems of environment, Man environment, Proper use and efficient management of natural resources.</p> <p>The students after studying the course can go for Indian Economic Service, banking, opt for journalism.</p>
ENGLISH	<p>PART I : PAPER 1. PROSE AND FICTION 2. POETRY</p> <p>PART II : PAPER 1. PROSE AND FICTION 2. DRAMA</p> <p>PART III : PAPER 1. POETRY 2. DRAMA</p>	<p><b>The outcomes of the course is to</b> make students familiar with major prose and poetry written in different countries and compare these literary, social, political and geographical background.</p>
PHILOSOPHY	<p>PART I : Paper - I Indian Philosophy 2. WESTERN PHILOSOPHY</p> <p>PART II : PAPER 1. Ethics 2. Socio-political Philosophy</p>	<p><b>After completing the course the students will be able to learn-</b></p> <p>Relation between individual and Society. Relation of Religion, Society and</p>

		<p>Education.</p> <p>Development of Morality AND Freedom of will and Moral Responsibility.</p> <p>Indian Ethics AND Western Ethics.</p>
GEOGRAPHY	<p>PART II : PAPER 1. HUMAN GEOGRAPHY 2. GEOGRAPHY OF RAJASTHAN</p> <p>PART III : PAPER 1. ECONOMIC GEOGRAPHY 2. ENVIRONMENTAL GEOGRAPHY</p>	<p><b>After completing the course the students will be able to learn-</b></p> <p>Physiography and Physiographic divisions, Climate, Soil, Natural vegetation of Rajasthan.</p> <p>Sources of power like Coal, Petroleum, Hydroelectricity and Nuclear, Bases of international trade, barriers to trade and pattern of world trade.</p> <p>conservation of natural resources like soil, water, forests, minerals and energy.</p> <p>national and international efforts on environmental management.</p>
URDU	<p>PART I: PAPER 1. NASM AND DRAMA 2. SHAYARI AND KAVAYAD</p> <p>PART II: PAPER 1. NASM AND TANQIDI NAGZIYA PAPER 2. TARJUMA, MAZMUN AND TARIKHEN ADAB</p> <p>PART III: PAPER 1. URDU ADAB KI TARIKH KA TARUF 2. JADID ASHNAPE NAZMON KA TARUF</p>	<p>Outcomes of the course is to make the students fully conversant with Urdu poetry, prose and life of Urdu authors /poets. It provides comprehensive knowledge of beginning and development of Masnavi &amp; Inshaiya in Urdu language.</p>
HISTORY	<p>PART I: PAPER 1. HISTORY OF INDIA UPTO 1200 A.D. 2. INDIAN CULTURE AND CIVILIZATION</p> <p>PART II: PAPER 1. HISTORY OF INDIA FROM c. 1200 – 1760 A.D. 2. WORLD HISTORY FROM 15TH CENTURY TO 1945 A.D.</p> <p>PART III: PAPER 1. HISTORY OF INDIA FROM c. 1740-1950 A.D. 2. HISTORY AND CULTURE OF</p>	<p><b>After completing the course the students will be able to learn-</b></p> <p>The ancient history of INDIA , Indian culture and civilization, Political and Economic condition of ancient India and culture and history of Rajasthan.</p> <p>The students of History can work in the archaeological department, work as tour guides, journalists, researchers.</p>

	RAJASTHAN	
POLITICAL SCIENCE	<p>PART I: PAPER 1. POLITICAL THEORY 2. INDIAN GOVERNMENT AND POLITICS</p> <p>PART II: PAPER 1. COMPARATIVE GOVERNMENT AND POLITICS 2. REPRESENTATIVE POLITICAL THINKERS</p> <p>PART III: PAPER 1. INTERNATIONAL RELATIONS 2. Public Administration</p>	Course lays thrust upon the Indian Constitution, Indian Politics and Government, Political theory, public administration and international relationship.
SANSKRIT	<p>PART I: PAPER 1. KAVYA, KATHA SAHITYA AUR CHHAND 2. NATYA, NATYASHASTRA AUR VYAKARAN</p> <p>PART II: PAPER 1. KAVYA, SMIRITI SHASTRA AUR SANSKRITI 2. GADHYA, VYAKARN. ALANKAR AUR BHARTIYA SANSKRITI</p> <p>PART III: PAPER 1. NATAK TATHA VYAKARAN 2. VED, UPNISHAD, BHARTIYA DARSHAN AVAM NIBANDH</p>	The course provides knowledge on ancient Indian philosophy, literature, and history
HINDI	<p>PART I: PAPER 1. PRACHIN HINDI KAVYA 2. HINDI KATHA SAHITYA</p> <p>PART II: PAPER 1. HINDI NATAK, NIBANDH TATHA SPHUT GADYA VIGHAYEN 2. HINDI BHASHA AUR SAHITYA KA ITIHAS</p> <p>PART III: PAPER 1. ARVACHIN HINDI KAVYA 2. KAVYANG VIVECHAN AVAM HINDI GADYA VIDHAON KA SWAROOP</p>	<p>The course makes students to understand the history of Hindi language and its relation to modern era.</p> <p>Students will be able to learn the old Hindi poem and stories.</p>

### Course outcomes (COs) – B.Com.

<b>B.Com Part I</b>	<b>Course I: Accounting</b>  Group I Paper I. Financial Accounting Paper II. Cost Accounting	<b>Course II : Business Finance &amp; Economics</b>  Group II Paper I : Business Economics Paper II: Economic Environment	<b>Course III : Business Administration</b>  Group III Paper I: Economic Environment Management Paper II: Business Regulatory Framework
<b>B.Com Part II</b>	Group I Paper I. Corporate Accounting Paper II. Business Statistics	Group II Paper I. Money and Banking System Paper II. International Trade and Finance	Group III Paper I. Company Law and Secretarial Practice Paper II. Business Communication and Management
<b>B.Com Part III</b>	Group I Paper I. International Marketing and GST Paper II. Income tax Auditing	Group II Paper I. Financial Market Operations. Paper II. Financial Management	Group III Paper I. International Marketing

### Course outcomes – B.Com Part I

After completing the course student will be able to –

- Learn need, development and definition of accounting, Advanced Problems of Partnership Firm related to Admission, Retirement & Death of Partners.
- Solve issue of Shares, Book Building Process, Buy Back of Shares, Underwriting, Redemption of Preference Shares.
- Learn various processes of insurance claims.
- Discuss the meaning of Budgets and Budgetary Control, Objectives, Merits and Limitations and Cash and Flexible Budgets.
- Acquaint with the principles of Business Economics as are applicable in business like Economic Analysis, Law of Demand, Market, Discriminating Monopoly, Factor Pricing and Theory of Interest.
- know the emerging issues in business at the national and international level in the light of the policies of liberalization and globalization like Indian Economic and International Economic Policies, Industrial Development & Industrial Policy and problems of Developing countries.
- Learn the various business regulatory acts.

### **Course outcomes – B.Com Part II**

After completing course the students will be able to -

- Learn issue and Redemption of Debentures, Acquisition of Business, Profit Prior to Incorporation and Investment Accounts.
- Acquaint with Banking Company, Insurance Company, Electricity Company and Double Account System.
- Expert in Collection of Data, Editing, Classification and tabulation; Presentation of data - graphic and diagrammatic.
- Know about Classification of money, Money supply Components and Determinants and Measurement of Money by RBI.
- know the working of the international trade and Finance, Methods of International Payment and Settlements.
- Learn basic forms of Communicating, communication Models and processes, Theories of communication, Corporate Communication, Improving communication Practices in business communication.

### **Course outcomes – B.Com part III**

After completing the course the student will be able to –

- Learn Income tax Auditing and International Marketing and GST
- Know the various aspects of International Market
- Acquaint with Financial Management and Financial market operation

- Learn the basics of Group discussions, Mock Interviews, Seminar, Effective Listening Exercises, Individual and Group presentation and Report writing.



## Course Outcomes (COs) – B.Sc

Subject	Course	Course Outcomes
Botany	<p><b>B.Sc part I</b></p> <p><b>Paper I - Algae, Lichens and Bryophyta</b></p> <p><b>Paper II- Mycology, Microbiology and Phytopathology</b></p> <p><b>Paper III - Palaeobotany, Pteridophytes and Gymnosperms</b></p> <p><b>B.Sc. Part II</b></p> <p><b>Paper I - Taxonomy and Embryology of Angiosperms</b></p> <p><b>Paper II - Anatomy of Angiosperms, Economic Botany and Ethnobotany.</b></p>	<p><b>After completing various courses, the student will be able to:</b></p> <ol style="list-style-type: none"><li>1. Understand the basic concepts related to Viruses, Bacteria, Fungi and Lichens</li><li>2. Learn about structure, reproduction and affinities of various Bryophytes, Know the characteristics, structure and reproduction of Pteridophytes and Understand evolution of Bryophytes, Pteridophytes and Gymnosperms.</li><li>3. Identify problems and independently propose solutions using creative approaches, acquired through interdisciplinary experiences, and a depth and breadth of knowledge/expertise in the field of Plant Identification.</li><li>4. Identify the major groups of organisms with an emphasis on plants and be able to classify them within a phylogenetic framework.</li><li>5. Identify the common plant species growing in Barmer (Rajasthan) and understand the medicinal, economical and ethnobotanical values of plants.</li></ol>

	<p><b>Paper III - Cell Biology, Genetics, Plant Breeding and Evolution</b></p> <p><b>B. Sc. Part III</b></p> <p><b>Paper I - Ecology and Environmental Biology</b></p> <p><b>Paper II- Plant Physiology and Biochemistry</b></p> <p><b>Paper III- Plant Biotechnology and Molecular Biology</b></p>	<p>6. Explain how Plants function at the level of the gene, genome, cell, tissue, Flower development. Drawing upon this knowledge, they will be able to give specific examples of the physiological adaptations, development, reproduction and mode of life cycle followed by different forms of plants.</p> <p>7. Understand the general structure of Cell and cell organelles.</p> <p>8. Explain the ecological interconnectedness of life on earth by tracing energy and nutrient flow through the environment. They will be able to relate the physical features of the environment to the structure of populations, communities, and ecosystems.</p> <p>9. Understand the mechanism of various physiological processes related to plant life.</p> <p>10, Acquire knowledge about replication, transcription, translation, post transcriptional and post translational modifications, gene regulation, DNA repair mechanisms and various molecular tools and techniques like PCR, southern, northern and western blotting, recombinant DNA technology etc. They will also know the various tools and techniques related to bacterial microbiology.</p>



Chemistry	<p><b>B.Sc. pt I</b></p> <p><b>Paper I - Inorganic chemistry</b></p> <p><b>Paper II- Organic chemistry</b></p> <p><b>Paper III-Physical chemistry</b></p> <p><b>B.Sc. pt. II</b></p> <p><b>Paper I- Inorganic chemistry</b></p> <p><b>Paper II- Organic chemistry</b></p> <p><b>Paper III - physical chemistry</b></p> <p><b>B.Sc.pt III</b></p> <p><b>Paper I - Inorganic chemistry</b></p> <p><b>Paper II- Organic chemistry</b></p> <p><b>Paper III -Physical chemistry</b></p>	<ol style="list-style-type: none"> <li>1. Understand the principles of various fields of chemistry (organic, inorganic, physical, analytical, and biochemistry) Develop as independent thinkers who are responsible for their own learning.</li> <li>2. Develop transferrable quantitative skills.</li> <li>3. Work with others demonstrating leadership and collaborative skills.</li> <li>4. Demonstrate a comprehensive understanding of the theory and practice of modern instrumentation and apply it to appropriate chemical problems.</li> <li>5. Recognize potential laboratory safety concerns and address them using appropriate techniques</li> <li>6. Produce scientific reports formatted for peer-reviewed publication, using the primary literature.</li> <li>7. Present the results, conclusions, and relevance of scientific experiments to a specific audience.</li> </ol>
Mathematics	<p><b>B.Sc. part I</b></p> <p><b>Paper I : Algebra and Co-ordinate Geometry of Two Dimensions.</b></p> <p><b>Paper II : Calculus</b></p> <p><b>Paper III: Co-ordinate Geometry of three Dimensions and Vector Calculus.</b></p>	<ol style="list-style-type: none"> <li>1. Understand the foundations of mathematics</li> <li>2. Perform basic computations in higher mathematics.</li> <li>3. Read and understand middle-level proofs.</li> <li>4. Write and understand basic proofs.</li> <li>5. Develop and maintain problem-solving skills.</li> </ol>

	<p><b>B.Sc. pt II</b></p> <p><b>Paper I: Numerical Analysis and Linear Programming.</b></p> <p><b>Paper II: Differential Equations.</b></p> <p><b>Paper III: Mechanics I (Statics and Dynamics of particle)</b></p> <p><b>B.Sc. pt III</b></p> <p><b>Paper I : Abstract Algebra</b></p> <p><b>Paper II : Analysis and Laplace Transforms</b></p> <p><b>Paper III : Mechanics II (Dynamics of Rigid Bodies and Hydrostatics)</b></p>	<p>6. Use mathematical ideas to model real-world problems.</p> <p>7. Communicate mathematical ideas with others.</p> <p>8. Have experience using technology to address mathematical ideas.</p>
<b>Physics</b>	<p><b>B.Sc. Pt I</b></p> <p><b>Paper I - Mechanics</b></p> <p><b>Paper II - Optics</b></p> <p><b>Paper III Electromagnetics</b></p>	<p>1. Demonstrate an understanding of core knowledge in physics, including the major premises of classical mechanics, E&amp;M and Modern Physics.</p> <p>2. Demonstrate written and oral communication skills in communicating physics-related topics.</p> <p>3. Design and conduct an experiment (or series of experiments) demonstrating their understanding of the scientific method and processes. Students will demonstrate an understanding of the analytical methods required to interpret and analyze results and</p>



Zoology	<p><b>B. Sc Pt. I</b></p> <p><b>Paper I :Animal Diversity and Evolution</b></p> <p><b>Paper II :Biology of Non chordates</b></p> <p><b>Paper III :Cell Biology and Genetics</b></p>	<p>1. Learning about the basic taxonomy and systematics and classification of Protozoa, Porifera, and Helminth groups. They also will acquire knowledge about the biology of these taxonomic categories as well as about some acoelomate plus pseudocoelomate parasites for their life cycles, epidemiology, pathology, diagnosis, symptoms and treatments. They will also have knowledge about the basics of parasitology such as origin and evolution of parasitism, role of vectors, parasitoids, host-parasite interactions etc.</p> <p>2. Understanding the various features and aspects of population ecology, community ecology and ecosystem ecology. They might have the knowledge about environmental biology in details. They will acquire knowledge about various tools and techniques of field ecology.</p> <p>3. Learning about classification of coelomate invertebrates and the structure, function plus biology of these taxonomic categories as well. They will understand about different vector born diseases and the related life cycles, epidemiology, pathology, diagnosis, symptoms and treatments. They will also know the basics of sericulture, apiculture and lac culture.</p> <p>3. Understand the structures, positions and functions of plasma membrane and all cellular organelles in details.</p> <p>4. Understand the classification, structure,</p>
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	<p><b>B.Sc.pt. II</b></p> <p><b>Paper I : Chordate Structure and function</b></p> <p><b>Paper II : Developmental Biology</b></p> <p><b>Paper III : Immunology, Microbiology and Biotechnology</b></p>	<p>function and biology of chordates of different taxonomic classes. They will also learn some special topics like zoogeography, metamorphosis, snake bites, migration of birds, parental care of amphibian, echolocation of mammals, poultry managements and different breeds of domestic animals.</p> <p>5. Learnt about basics of histology and tissue staining. They will also understand the physiology of muscles, nerves, reproductive systems and bone. They will learn details of endocrinology with classification of hormones, their biosynthesis, receptors, mode of molecular actions, physiological function, feedback controls and related disorders.</p> <p>6. Understand the basic and fundamental biochemistry of carbohydrates, proteins, lipids and nucleic acids. They will also understand the nature, mechanism, and kinetics of enzyme action. Some instrumentation such as microscopy, chromatography, electrophoresis, centrifugation, spectrophotometry etc. will also be learnt.</p> <p>7. Understood the structures of different systems such as, integumentary, skeletal, digestive, respiratory, circulatory, urinogenital, nervous and sensory organs in comparative way among the vertebrate groups.</p> <p>8. know the physiology of digestion, respiration, circulation, excretion and adaptation.</p>
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	<p><b>B.Sc. Pt. III</b></p> <p><b>Paper I : Animal Physiology and Biochemistry</b></p> <p><b>Paper II : Behavior and Ecology</b></p> <p><b>Paper III : Applied Zoology</b></p>	<p>9. Understand the metabolism of carbohydrates, lipids and proteins in details. They will also learn about oxidative phosphorylation and redox reactions.</p> <p>10. Develop knowledge about structures and function of immune cells, immune globulins, antigens and their interactions with antibodies. They will know about MHC molecules, cytokines, hyper sensitivity reactions and cellular mode of immunity development. They will know the immune diffusion technique.</p> <p>11. Learn details about taxonomy and biology insect pests as well as theirs interactions with crops and their management policies in detail.</p>
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### Course Outcomes (COs) – M.A. Previous

SUBJECT	COURSE	COURSE OUTCOMES
<b>HISTORY</b>	PAPER – I HISTORIOGRAPHY, HISTORICAL CONCEPTS, METHODS AND TOOLS. PAPER – II TWENTIETH CENTURY WORLD PAPER – III CULTURAL PROFILE OF INDIA PAPER – IV (A) HISTORY OF IDEAS (RELIGIOUS, POLITICAL AND SOCIAL IDEAS) PAPER – IV (B) WOMEN IN INDIAN HISTORY	<p><b>After completing the course the students will be able to learn-</b>            Use and Misuse of History,            Concept of History, Culture and Civilization of Ancient, Medieval and Modern Period, History of world war, revolution of twentieth century, Role of Women in household, Agriculture, Industry and rights of property.</p> <p>The course helps the students in preparation of various competitive exams.            The students of History can work in the archaeological department, work as tour guides, journalists, researchers.</p>
<b>POLITICAL SCIENCE</b>	PAPER- I POLITICAL THOUGHT FROM PLATO TO MARX PAPER -II INDIAN GOVERNMENT AND POLITICS AND STATE POLITICS IN INDIA PAPER -III COMPARATIVE POLITICS AND POLITICS OF DEVELOPING COUNTRIES PAPER -IV MAJOR IDEAS AND ISSUES IN PUBLIC ADMINISTRATION	<p><b>After completing the course the students will be able to learn-</b>            About political thoughts of ancient political thinkers, Indian constitution and judiciary, government policies and public administration.</p> <p>Course lays thrust upon the Indian Constitution, Indian Politics and Government, Political theory and public administration .</p>



## Course Outcomes (COs) – M.A. Final

SUBJECT	COURSE	COURSE OUTCOMES
HISTORY	<p><b>GR. 'A'</b></p> <p>PAPER – I HISTORY OF INDIA UPTO c. A.D. 650</p> <p>PAPER – II HISTORY OF INDIA c. A.D. 650-1200</p> <p>PAPER – III SOCIAL AND ECONOMIC LIFE AND INSTITUTIONS OF ANCIENT INDIA</p> <p>PAPER – IV ELEMENTS OF INDIAN ARCHAEOLOGY AND EPIGRAPHY</p> <p>PAPER -V ANCIENT WORLD CIVILIZATIONS</p>	<p><b>After completing the course the students will be able to obtain knowledge of-</b></p> <p>Culture of ancient civilizations, first &amp; second urbanization, Janapadas and Mahajanapadas of Ancient India, regional variations of Northern and Eastern India; Western and Central India, Deccan and South India, Economy, Society and Religion of before 1200 AD, history of Indian archaeology, main archaeological sites of Rajasthan and Gujarat, origin and antiquity of the art of India.</p>
HISTORY	<p><b>GR. 'B'</b></p> <p>PAPER – I POLITY AND ECONOMY OF INDIA (c. A.D. 1200-1750)</p> <p>PAPER – II SOCIETY AND CULTURE OF INDIA (c. A.D. 1200-1750)</p> <p>PAPER – III MEDIEVAL RAJASTHAN (c. 1400-1708 A.D.)</p> <p>PAPER – IV THE ART AND ARCHITECTURE OF MEDIEVAL INDIA (c. 1200-1700 A.D.)</p> <p>PAPER- V ANCIENT WORLD CIVILIZATIONS</p>	<p><b>After completing the course the students will be able to obtain knowledge of-</b></p> <p>Structure of Rural and Urban Society, Formation of regional identities, Origin and Evolution of Bhakti Cult in India, Literature and cultural synthesis of literature, different dynasties of medieval rajasthan , Architecture ,art and paintings of ancient India.</p> <p>This course helps students in preparation of various competitive exams .</p> <p>The students of History can work in the archaeological department, work as tour guides, journalists, researchers.</p>
POLITICAL SCIENCE	<p>PAPER -V CONTEMPORARY INDIAN AND WESTERN POLITICAL THEORY</p>	<p><b>After completing the course the students will be able to learn –</b></p> <p>The national &amp; international political</p>





	<p>PAPER -VI THEORIES OF INTERNATIONAL RELATIONS AND CONTEMPORARY POLITICAL ISSUES</p> <p>GROUP- C PUBLIC ADMINISTRATION (i)Indian Administration  (ii) Local Self Government &amp; Development Administration in India</p> <p>PAPER -IX RESEARCH METHODOLOGY</p>	<p>issues in current scenario, basics of advanced indian administration and concepts of research methodology.</p> <p>Course lays thrust upon the Indian Politics and Government Political theory, public administration and international relationship.</p>
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### Course Outcomes (COs) – M.COM. Previous

SUBJECT	COURSE	COURSE OUTCOMES
ACCOUNTING	<p>PAPER 101: ADVANCED ACCOUNTING – I</p> <p>PAPER 102: ADVANCED BUSINESS STATISTICS</p> <p>PAPER 103: ADVANCED FINANCIAL MANAGEMENT</p> <p>PAPER 104: ADVANCED MANAGEMENT ACCOUNTING</p> <p>PAPER 105: TAXATION LAW AND PRACTICE</p>	<p><b>After completing the course the Students will be able to –</b></p> <p>Analyse statistical data graphically using frequency, measures of central tendency, dispersion and location.</p> <p>To develop skill about business Finance and the background of Accounting and Management.</p> <p>To acquire knowledge of tax related laws and get the practical skills to work as accountant and tax consultant.</p>

### Course Outcomes (COs) – M.COM. Final

SUBJECT	COURSE	COURSE OUTCOMES
ACCOUNTING	<p>PAPER 201: ADVANCED ACCOUNTING - II</p> <p>PAPER 202: ADVANCED AUDITING</p> <p>PAPER 203: GOODS AND SERVICE TAX</p> <p>PAPER 204: OPERATION RESEARCH</p> <p>PAPER 205: COST ANALYSIS AND CONTROL</p>	<p><b>After completing the course the students will be able-</b></p> <p>To demonstrate knowledge of various advanced accounting issues related to Financial Accounting within a global and/or ethical framework.</p> <p>To learn about Income tax, Sales tax, Service tax, VAT, Central Exercise, apart from various other forms of filling income tax returns.</p> <p>To Develop an ability to apply knowledge acquired in problem solving.</p>



### Course Outcomes (COs) – M.Sc. Previous

SUBJECT	COURSE	COURSE OUTCOMES
CHEMISTRY	<p>PAPER – I AN-CH- 101: INORGANIC CHEMISTRY</p> <p>PAPER – II AN-CH-102: ORGANIC CHEMISTRY</p> <p>PAPER – III AN-CH-103: PHYSICAL CHEMISTRY</p> <p>PAPER – IV AN-CH- 104: ANALYTICAL CHEMISTRY</p>	<p><b>After completing the course -</b></p> <p>Students will have a firm foundation in the fundamentals and application of current chemical and scientific theories including those in Analytical, Inorganic, Organic and Physical Chemistries.</p> <p>Students will Understand the themes running through ionic, covalent and metallic descriptions of chemical bonding, including principles of main group elements. Enhance common the knowledge on metal clusters and nuclear chemistry.</p> <p>Students will appreciate the central role of chemistry in our society and use this as a basis for ethical behavior in issues facing chemists including an understanding of safe handling of chemicals, environmental issues and key issues facing our society in energy, health and medicine.</p>



### Course Outcomes (COs) – M.Sc. Final

SUBJECT	COURSE	COURSE OUTCOMES
CHEMISTRY	<p>PAPER-I AN-CH-201 Group Theory &amp; Inorganic Spectroscopy, Application of Spectroscopy</p> <p>PAPER II AN-CH-202 Solid State Chemistry, Bio-Chemistry</p> <p><b>Elective Papers</b> <b>GROUP-B</b> PAPER - III AN-CH-203B Photochemistry</p> <p>PAPER -IV AN-CH-204B Organic Synthesis-I</p> <p>PAPER - V AN-CH-205B Organic Synthesis-II</p>	<p><b>After completing the course the students will be able to-</b></p> <p>learn about classical picture of light and electromagnetic waves, its spectrum and briefly the kinds of spectroscopy observed in each region of the electromagnetic spectrum.</p> <p>Understand the concept and definitions of Aliphatic nucleophilic and electrophilic substitution reactions, fundamentals of free-radicals, pericyclic chemistry.</p> <p>Apply photochemistry concepts, plan and program molecules for photochemical application of specific interest and Identify the product with the type of functional group present on the molecule</p>