

# Govt. Dr. Shyama Prasad Mukherjee Science & Commerce College, Bhopal, MP



## Couse Learning Outcomes 2019-20

## ➤ **Department of Commerce**

### **Programme Outcome**

- This programme provide well trained professionals for Industries, Insurance Companies, Transport Agencies, Banking sectors, Financial companies, Warehousing etc. to meet the well trained manpower requirements.
- The graduates will get hands on experience in various aspects acquiring skills for Marketing Manager, Selling Manager, over all Administration abilities of the company. • It provides students with the knowledge and technical skills in the accounting and financial fields.

### **• Programme Specific Outcome**

- The students should possess the knowledge, skills and attitudes during the end of the B.com degree course.
- By virtue of the training they can become an Manager, Accountant, Management Accountant, Bank Manager, Company Secretary, Professor etc.

### **• Course Outcomes**

- The student should have a thorough knowledge on the accounting practice prevailing in partnership forms and other allied aspects.
- On the successful completion of this subject the students acquires the knowledge about the various types of business organizations and office management.
- To enable the students to learn principles and concepts of Accountancy.
- The students are enabled with the knowledge in the practical applications of accounting.
- This course aims to provide an in-depth knowledge on the provisions of Income Tax and to familiarize with recent amendments in Income-Tax.
- To keep the students conversant with the ever-enlarging frontiers of Cost Accounting knowledge.
- The student should be able to work efficiently in MS-PowerPoint and Tally.

## ➤ **Department of Physics**

### **Programme Outcome**

- Physics is a branch of science that studies matter and its motion through space and time, along with related concepts such as energy and force. Physics is one of the fundamental sciences because the other natural science deal with systems that seems to obey the law of Physics. According to Physics, the physical laws of matter, energy and the fundamental forces of nature govern the interactions between particles and physical entities (such as plants, molecules, atoms or the subatomic particles).
- Physics deals with a wide variety of systems, certain theories are used by all physicists. Each of these theories were experimentally tested numerous times and found to be an adequate approximation of nature.
- Physics uses mathematics to organize and formulate experimental results and from which new predictions can be made.
- The results from physics experiments are numerical measurements. Technologies based on mathematics, made computational physics as active area of research.

### **• Course Outcomes**

- The students will demonstrate a scientific knowledge of the core physics principles in Mechanics, Electromagnetism, Modern Physics and Optics
- The student will determine the appropriate level of technology for use in experimental design and implementation, analysis of experimental data and numerical and mathematical methods in problem solutions
- The students will demonstrate a purposeful knowledge of scientific literature and ethical issues related to physics
- The students will effectively communicate their knowledge of physics from basic concepts to specific detailed presentations through a variety of oral, written and computational modalities
- To acquire the basic knowledge of mechanics, properties of matter and gravitation
- Learn motion of

bodies and sound waves • To inspire interest for the knowledge of concepts in physical and geometrical physics.

➤ **B. Sc. (Computer Science)**

**Programme Outcomes**

- To develop problem solving abilities using a computer
- To build the necessary skill set and analytical abilities for developing computer based solutions for real life problems.
- To create awareness about process and product standards
- To train students in professional skills related to Software Industry.
  
- To help students build-up a successful career in Computer Science
- To provide thorough understanding of nature, scope and application of computer and computer languages.
- To develop interdisciplinary approach among the students.

**Programme Specific Outcomes**

- Demonstrate understanding of the principles and working of the hardware and software aspects of computer systems.
- To pursue further studies to get specialization in Computer Science and Applications, Mathematics, business administration.
- To pursue the career in corporate sector can opt for MBA.
- To Work in the IT sector as programmer, system engineer, software tester, junior programmer, web developer, system administrator, software developer etc.
- To work in public sector undertakings and Government organisations.

## ➤ Department of Chemistry

### Programme Outcomes B. Sc.

Students will demonstrate an understanding of major concepts in all disciplines of chemistry. Students will employ critical thinking and the scientific method to design, carry out, record and analyze the results of chemical experiments and get an awareness of the impact of chemistry on the environment, society, and other cultures outside the scientific community.

- Demonstrate, solve and an understanding of major concepts in all disciplines of chemistry.
- Solve the problem and also think methodically, independently and draw a logical conclusion.
- Employ critical thinking and the scientific knowledge to design, carry out, record and analyze the results of chemical reactions.
- Create an awareness of the impact of chemistry on the environment, society, and development outside the scientific community.
- Find out the green route for chemical reaction for sustainable development.
- To inculcate the scientific temperament in the students and outside the scientific community.
- Use modern techniques, decent equipments and Chemistry software's.

### Specific Programme Outcomes of B.Sc.

- B.Sc. Chemistry provides backbone in all the traditional branches of Physical, Inorganic, organic and Analytical chemistry.
- The experimental work will be continues throughout the session to develop the theoretical knowledge and practical as well.
- Graduates from this course will be better prepared to understand the new environment friendly systems and can understand the processes that the chemical industry is adopting.

- The course has been designed to have insight in almost all the aspects of chemistry and to build a solid foundation in the subject to choose a career in industry or academics or research.
- The syllabus very well designed and it covers the areas like water chemistry, consumer products-soaps, detergents, shampoos, skin preparations, polymer chemistry, drugs, industrially important chemicals used in Industry.
- The employment areas for the B. Sc. Chemistry graduates include pharmaceutical industries, chemical manufactures, forensic science department, plastic industries, agro industries etc. apart from these they are also recruited in the field such as oil, gas and power sectors, defence services.

### **Programme Outcomes of M. Sc**

After successful completion of two year degree program in chemistry a student should be able to:

- Determine molecular structure by using UV, IR and NMR.
- Study of medicinal chemistry for lead compound.
- Improve the Skill of student in organic research area.
- Synthesis of Natural products and drugs by using proper mechanisms.
- Study of Asymmetric synthesis.
- Determine the aromaticity of different compounds.
- Solve the reaction mechanisms and assign the final product.

### **Specific Programme Outcomes of M. Sc.**

- Know the structure and bonding in molecules/ ions and predict the structure of molecule/ions.
- Understand the various type of aliphatic, aromatic, nucleophilic substitution reaction.
- Understand and apply the principles of Organic Chemistry for understanding the scientific phenomenon in Reaction mechanisms.
- Learn the Familiar name reactions and their reaction mechanisms.

- Understand good laboratory practices and safety.
- Study of organo metallic reactions.
- Study of free radical, bicyclic compound, conjugate addition of enolates and pericyclic reactions.
- Study of biological mechanisms using amino acids.
- There are various higher study options for candidates who have completed their PG in Chemistry. They can join for the various other PG and research courses related to the topic of interest. Such Master of Philosophy in applied chemistry or basic chemistry. They can opt for Ph.D. in different fields of chemistry.

- **Course Outcomes**

- 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
- Develop transferrable quantitative skills.
- Be able to work with others demonstrating leadership and collaborative skills
- Demonstrate a comprehensive understanding of the theory and practice of modern instrumentation and apply it to appropriate chemical problems
- Recognize potential laboratory safety concerns and address them using appropriate techniques
- Produce scientific reports formatted for peer-reviewed publication, using the primary literature
- Present the results, conclusions, and relevance of scientific experiments to a specific audience.

### **Programme Outcome**

- To inculcate in students the scientific study of plants which in turn is used in many aspects of human life. Plants being necessary for supporting all life forms on earth, either directly or indirectly. Its study helps in better understanding of our selves at the cellular and genetic level.
- Job Opportunities by MPPSC and UPSC exams, Railway Recruitments And Technical persons in Government Research labs, etc.
- B.Sc Botany student can do their Master's degree in Botany , Environmental Science ,Biotechnology and other related fields.
- After Master's degree they can pursue their Ph.D in Indian universities or in foreign universities.

### **Specific Program Outcome**

- Student can join Botany related or life Science related private firms.
- Can join agriculture seed companies, tissue culture labs, pharma companies, etc.
- Can work as an environmental consultant in various agencies.
- Develop inclination towards Environmental consultants.
- Student can start their venture in Nursery for development of various plant variety plantlets.  
Can do production of bio- fertilizers and bio- pesticides.
- Can work as a consultant for garden development and landscape designing.
- Can start their food processing unit.
- Can do cultivation of medicinal plants for conservation and Harvesting.
- Raw material provider for medicinal industry.

### **Program Outcome of M.Sc Botany**



- PG holders in Botany can work as Assistant Professor and Associate Professor in various Governmental institutes through MPSC and direct recruitment.
- They can pursue PhD with various fellowship like DBT, ICAR, CSIR, ICMR and other Government fundings like JFR or SRF.
- They can pursue PhD in foreign university with fellowship.
- They can join various research projects in government research Labs ,etc.
- They can apply for various government jobs through UPSC, MPPSC, SSC, Railway recruitment, etc
- Can do their independent research to find out solution to various problems related to plant and environment.

### **Specific Program Outcome**

- PG holders in Botany have opportunities in public sector like Botanical Survey of India (BSI), National Institute of Oceanography (NIO), Indian Agricultural Research Institute (IARI) etc
- They can pursue their career as environmental consultant in various environmental constituencies.
- They can also work as nursery manager, park ranger, herbarium keeper etc.
- They can start their own Plant Tissue Culture Lab.
- They can start their own Seed Industry and Seed Bank
- They can do production of biofertilizers.
- They can pursue PhD in
  - Botany
  - Plant Biotechnology
  - Molecular biology
  - Phychology and Mycology
  - Plant taxonomy
  - Ecology
  - Plant breeding

### • **Course Outcomes**

- Comprehend the diversity of lower cryptogams (Algae, Fungi, Bacteria, Phytoplasma and viruses. Collection and study of algae, fungi, bacteria from different localities, Identification up to generic level. Recognize the morphology, anatomy, physiology, reproduction and lifecycle pattern.
- Their diversification and familiarize with various ecological niche.
- Study plant morphology, Description of a plant specimen, Study of at least 20 locally available families of flowering plants, Identification of genus and species of locally available wild plants, Preparation of botanical keys at generic level by locating key characters., Knowledge of at least 10 medicinal plant species. Knowledge of secondary metabolites and its use in taxonomy, Know about the induction of polyploidy in plants using colchicines, methods of, application of colchicine., Isolation of biochemical mutants following physical and chemical mutagenic, Isolation of chlorophyll mutants following physical and chemical mutagenic treatments.
- Isolation of morphological mutants following physical and chemical mutagenic treatments. Karyotype analysis, Meiosis of complex translocation heterozygotes, Meiotic behaviour of monosomy, trisomy in plants and its effect, Chromosomal behaviour in mutagen treated plants, Chromatin organization, Structural and Numerical alterations in chromosomes, Know about plants anatomical structure, their developmental patterns.
- Plant reproductive parts development of male, female gametophytes and fruits, Vascular tissues and its constituents by sections and maceration, wood anatomy, TS, TLS and RLS Mechanical tissues, Secretory tissues, laticifers. Normal and abnormal secondary growth etc.
- On completion of this course the students are able to analyze various types of ecosystems, correlate different ecosystems. To analyze the threat and suggest conservative measures.
- The students are also trained in the environmental impact analysis, Students are able to analyze, monitor various physical, chemical and biological properties of soil water and air.
- Students will be able to define and explain major concept in the biological sciences.
- It will help the student to use biological instruments in proper and correct way. It will enable the students to explain and apply the scientific method including designing and conducting experiments and testing hypotheses.
- Students will be able to communicate biological knowledge in oral and written form.

➤ **Department of Zoology**

### **Programme Outcome**

- Students are awarded with UG degree which helps them to get job.
- Students acquire knowledge of zoology; it broadens their outlook towards importance of study of science as a subject at undergraduate level.
- It provides students a launch-pad to enroll themselves for post graduate study in zoology.
- Practical work make the students skillful, this skill help them to solve common problem in their daily life.
- Various activities like field survey and photography project develop their hidden talent, make their mind face to think and act. Science exhibition, poster competition, short trip help in shaping their personality.

### **Programme Specific Outcomes**

- Students become well versed regarding basic concepts of modern biology, field survey work and social extension program and their applications in real life.
- Students acquire knowledge of zoology; it broadens their outlook towards importance of field survey work in identifying and classifying and distribution of animals.
- It provides students a launch-pad to enroll themselves for post graduate study in systematic and taxonomy.
- Practical work make the students skilful, this skill will help them to design outdoor activities involving local citizens in conserving biodiversity in their daily life.
- Various activities like field survey and photography project develop their hidden talent, make their mind face to think and act. Science exhibition, poster competition, short trip help in shaping their personality and do innovations which will be beneficial for the country.
- Participation in various cultural programs builds their confidence which help them to interact with different individuals in the society and work for well fare of the community people.

### **Course outcomes:**

- The student will be able to understand classify and identify the diversity of animals.
- The student will be able to understand the morphology, habit and habitat. Systematic position and various systems in Paramecium and frog.
- The learner will be able to link the intricacies of food chains, food webs and link it with human life for its betterment and for non-exploitation of the biotic and abiotic components.
- The Learner understands and appreciates the diversity of ecosystems and applies beyond the syllabi to understand the local lifestyle and problems of the community.
- The learner will understand the importance of cell as a structural and functional unit of life.
- : Gain knowledge to define the concepts of the applied subjects like Fisheries, Aquaculture and Pest Control.
- Gain knowledge to define the concepts of the applied subjects like Apiculture and Sericulture.
- The student will be able to label the organs and systems of Pila globosa. and Calotes versicolor •
- Knowledge of basic terms in histology, physiology. Explain the anatomy of various systems. •

### **Outcomes of M.Sc. (Zoology)**

- Students gain a deep knowledge of theory; practical and dissertation i.e. project work and seminar.
- The above teaching module helps to develop skill, scientific temperament for research and also develop their overall personality.
- Science exhibition, tours, seminars increase their interactive power with others.
- Study of zoological/ life sciences help them to conserve nature and control pollution of natural resources.
- Innovative program organize for them make them innovative to tackle common problems in various fields of life.

### **Specific Outcomes of M.Sc.**

- Students develop in -depth knowledge of theory, practical and dissertation i.e. project work and seminar, which will help them in pursuing research.
- The above teaching module helps to develop skill, scientific temperament for research and also develop their overall personality.
- Science exhibition, tours, seminars increase their interactive power with others, which will help them to do innovations beneficial to the society.
- Study of zoological/ life sciences help them to conserve nature and control pollution of natural resources, through scientific management practices relevant in modern times.
- Innovative program organize for them make them innovative to tackle common problems in various fields of life and become entrepreneurship and provide jobs to students.

- **Course Outcomes**

- Exposure to diversity in animal groups (invertebrates), cell biology and Ecology.
- To inculcate good laboratory practices in students and to train them about proper handling of lab instruments.
- Exposure to diversity in animal groups (vertebrates), and applied zoology.
- The practical course intends to inform students about Animal systematic, animal diversity and applied zoology field such as Fisheries, Apiculture, Sericulture etc.
- Students pursuing this course should have detailed studies of the various disciplines of the zoology subject and the other branches of zoology such as Genetics, Animal physiology, Molecular biology, Biochemistry, Microtechnique, Non-chordate and Chordate, Developmental Biology, Histology, cell biology, Biodiversity, Medical entomology, parasitology, Genetics etc.
- The working principles, design guidelines and experimental skills associated with different fields of zoology such as genetics and cell biology, Entomology, physiology, Developmental biology, histology, biochemical techniques etc.

## ➤ **COURSE OUTCOMES OF BIOTECHNOLOGY**

### **B.Sc Biotechnology**

- Comprehend about the introduction and history of biotechnology
- The scopes in agriculture, medicinal, agriculture and environment.
- The cell biology and basic structural and functional study of prokaryotic and eukaryotic cells
- The growth, nutrition and factors affecting microbial growth
- Principle, general features and significance of biophysical terms like density, sedimentation, centrifugation, surface tension, adsorption
- Monochrome staining, Negative staining, Gram's staining.
- Motility testing by hanging drop method
- The definition, classification, biological function, chemical and physical properties, structural characteristic of proteins and nucleic acids
- Principle, working and applications of instruments viz, pH meters, spectrophotometer, centrifuge, viscometer, and laminar air flow
- Concept of enzyme activity and enzyme inhibition
- The Structure and Function of DNA and RNA.
  
- The Transcription, enzymes involved in transcription and its inhibitors.
- The Translation, enzymes involved in translation and its inhibitors.
- The concept of operation and its structure and regulation.

### **Specific Programme Outcome**

- Acquire knowledge on the fundamentals of biotechnology for sound and solid base which enables them to understand the emerging and advanced engineering concepts in life sciences.
- Acquire knowledge in domain of biotechnology enabling their applications in industry

- and research.
  - Empower the students to acquire technological knowhow by connecting disciplinary and interdisciplinary aspects of biotechnology.

➤ **Department of Mathematics**

**Programme Outcomes of B.Sc. (Mathematics)**

- Understand the basic concepts, fundamental principles, and the scientific theories related to scientific phenomena and their relevancies in the day-to-day life.
- Being able to think creatively to propose novel ideas in explaining facts and figures or providing new solution to the problems.
- Recognize real-world problem that are related to mathematical analysis, and formulate mathematical models of such problems.

- Use Mathematical and statistical techniques to solve well-defined problems and present their mathematical work, both in oral and written format, to various audiences.
- Formulate the analysis of mathematical and statistical problem, precisely define the key terms, and draw clear and reasonable conclusions.
- Read, understand and construct correct mathematical statistical proofs and Use the library and electronic data-bases to locate information on Mathematical problems.

#### **Specific outcomes of B.Sc (Mathematics)**

- In banking sector students can get in to with mathematics.
- They can prepare for MPPSC and UPSC exam.
- .Mathematics graduate can work as finance and investment analyst and advisor and chartered or certified accountant.
- A career in teaching offers unparalleled job satisfaction.

#### **Programme Outcomes of M.Sc. (Mathematics)**

- The main outcome of these courses is to give first-hand knowledge in advanced mathematics and forefront research experience.
- Mathematicians seek out pattern and formulate new conjectures which resolve Truth or falsity of conjectures by mathematical proof.
- Able to apply the knowledge of mathematical science to solve real life Problems.

#### **Specific outcomes of M.Sc. (Mathematics)**

- Student can choose to pursue research in your area of interest in maths.
- Student can go in to the teaching sector also.
- Student can work as a statistician, research analytic , Business analyst, Economic analytic, Operations analyst , Data analyst, Financial analyst, Numerical analyst, Mathematician, Researcher , Computer system analyst, and statistical quality control.
- There are various defence departments who recruit mathematician for various posts especially naval academy.
- PSUs and Banking also look for post graduates.

#### **Course Outcomes**



- Knowledge of differential equations is useful in space research, Medical research and applied mathematics. Further it is a foundation for higher studies in Mathematics.
- Study of solid geometry enhances visualization of real geometrical structures to study their nature and properties
- As Abstract Algebra interlaces all branches of mathematics, the study of Abstract Algebra is imperative to develop mathematical skills and their applications. Further it is a foundation for higher studies in Mathematics.
- The study of Real Analysis enhances the analyzing capacity of the student and helps to solve real life problems which are very complex logically. Further it shapes the thought process of the student.
- As Abstract Algebra interlaces all branches of mathematics, the study of Abstract Algebra is imperative to develop mathematical skills and their applications. Further it is a foundation for higher studies in Mathematics.
- The study of Numerical Analysis develops the capacity of the student to solve numerical problems, reasoning and provides skills to solve problems in the Allied areas of Mathematics
- The study of Advanced topics of Numerical Analysis provides exposure to the students to know about the latest developments and to keep abreast of new findings in Numerical Analysis.
- The study of special functions, which are very very complex provides the students to understand very very complex functions. This knowledge will develop a rare insight of the student.



### ➤ **Department of Economics**

#### **Programme Outcome (B. A) Economics**

- Students will be able to possess a broad, liberal arts foundation and an understanding of how developments in social and intellectual history shape and affect human values and institutions.

- Students will get an idea of the range of methods by which the social sciences study individuals, cultures and societies.
- Students will be able to analyze human behavior, problems or situations from social science, cross-cultural and global perspectives.
- Students will be able to evaluate how theories and models within the social sciences have been established and maintained through systems of power and oppression.
- Help the students to apply analytical skills to social phenomena in order to understand human behavior.
  - Enable the students to apply knowledge and skills to contemporary problems and issues.

#### **Specific Programme Outcome**

- Students will be able to demonstrate the ability to employ ‘the economic way of thinking’.
- Students will be able to formulate informed opinions on policy issues and recognize the validity of opposing view points.
- Students will be able to understand the impact of government policies and will be able to assess the consequences of the policies on the parties involved.
- Students will be able to demonstrate quantitative reasoning skills.
- Student develops an awareness of career choices and the option for higher studies.

#### **• Course Outcomes**

- Understand the behavior of Indian and world economy.
- To develop the financial literacy for profitable investment.
- To make students aware of the issues of inflation, unemployment, poverty, GDP and Balance of payment.

- It develop the skill to make better decisions in business environment and even in your personal choices.
- To impart the knowledge of Banking, Marketing and different sections of economy so that students will get job opportunities in different economic, financial, banking, marketing and other sections of economy.
- Economists are vital in helping, predict and study responses to changes in policy and market changes, which is an important skill in today's changing business environment.
- Economists also study and help in developing public policies like health care and educational reforms.

➤ **Department of Political Science**

• **Program Outcomes of B. A.**

- Study of Political Science will help students for their further professional development.
- They can pursue their post graduation and also their doctorate research in Political Science.

- Study of Political Science can be useful with the concerning issues of human development.
- Students would understand the various forms of government across the world.
- Subject like Political Science is very useful to study the syllabus of competitive Exams, Just like UPSC, MPPSC.

### **Specific outcomes (Political Science)**

- To understand the existing political situation of the country and the world.
- The student will have complete understanding of various constitutional procedures.
- Political Science will alter the perspective of the students regarding cultural, economical, social and political issues .

#### **• Course Outcomes**

- It understands inspires political philosophy, ideologies and the nature of Indian Constitution.
- Comparative study of international politics and role of political philosophy and ideology.
- It understands the student's different types of Government and their policies.
- It helps the students to understand their responsibilities and rights on India.
- It helps the students what is happening in the countries around the world, issues the people are facing or new laws are being implemented. It understand the structure and working of the state, the separation of power, the judicial and legal system, scheme of welfare and social services.

## **➤ Department of Geography**

### **Program Outcomes**

- Knowledge outcomes: Demonstrate knowledge of physical and cultural features of the earth and • locate them on a map. Know about the basic disciplines of Geography and its sub branches.
- Know the basic concepts and terminologies used in Geography like interior of the earth, plate tectonic, sea floor spreading,

population growth, disasters, composition and structure of atmosphere, hydrosphere, etc.

- Differentiate between minerals and rocks, weather and climate, interior of the earth, basic industries, farming etc. Get information about the causes and effects of local, national and international problems like global warming, acid rain, ozone depletion, soil degradation, deforestation etc.
- Skill outcomes: Carry out surveying and learn the art of map making and prepare maps for the areas with the help of surveying techniques. Gain knowledge of quantitative methods and their ability to use statistical and cartographical methods to solve geographical problems. Construct various types of projections and scales as per requirement of the study. Collect primary and secondary data in the field. Apply various statistical formulas to analyse data. Use cartographic techniques with the help of simple software techniques like MS Excel. Handle topographical and weather maps and interpret them. Identify types of rocks. Know about Geographical Information System (GIS) and Remote Sensing.

- **Program Specific Outcomes (PSO):**

- Students learn about formation of landforms and identify various landforms around them. Students learn about various economic activities of man and their spatial temporal distribution. Students acquire knowledge of basic surveying and map making.
- Students know about disasters, their causes and managing disasters.
- Students come to know about geographical, socio-economic and political background of India. Students apply geographical knowledge in their day to day life like being alert about disasters, weather and climate data.

**Course Outcomes**

- It develops the skills including critical thinking, problem solving, reasoning, analysis, interpretations and synthesizing information's and communication literacy, media and internet literacy, data interpretation and analysis and computer programming.
- It imparts the knowledge about different places on earth and how they relate with each other.
- It helps the students to identify

and appreciate important events and National and International policies; make better and informed decisions regarding the best use of National resources. ●It help the students to know about the relationship between human being and the environment and the general process of natural resources. ●It enable the students to understand how population growth and technological advances affect the environment. ●It help the students to gain the understanding of International matters and multicultural concerns, read maps, interpret local and global information and understand International networks for trade.

### ➤ Department of Sociology

#### ● Program Specific Outcomes (PSO):

1. Develop a strong foundation of Sociology as a distinctive discipline in Social Science arena, its nature, scope and relationship with other social sciences, basic concepts, principles and different perspectives in studying macro social structures- social groups, social stratification, basic social institutions, social processes, social problems etc., and their applications to understand and analyze the inherent complexity of social life as a whole. Build a concept of Sociology in India and the study of Indian society and social structure.

2. Conceptualise with critical appraisal the grand theories of Sociology and contemporary social issues along with the History of the emergence of Sociology in the Classical era, the Western Classical Sociological thought and the contributions of the pioneers of Sociology in India. 3. Understand the significance of Sociology in studying human societies with variable features and attaining different positions across a variable continuum of stages of technological, economic and social development and change. Conceptualize the process of social change, development of modern organizations, and the importance of demography in bringing about social change.

Understand the methodology of Sociological research, its importance and application of different approaches to understand, analyze and resolve social issues for a better life in society as a whole.

4. Undertake a firsthand experience of sociological research in form of a survey-based dissertation with social issues of individual interest. Be competent to

analyze, understand the problem at hand through literature survey; to develop the research question, to decide on proper methodology and limitations; to collect, analyze and interpret the data to arrive at unbiased conclusions and offer suggestions (if any). Troubleshoot problems and devise alternatives to existing procedures.

- **Course Outcomes**

- To connect everyday life practices or micro level interactions to the various aspects of macro level knowledge formation.
- To induce the aptitude and skills among students required for analyzing the intricate details of the society
- To develop the sociological insight necessary for constructing better future and reality for human world.
- To develop ‘sociological insight’ for understanding behavior, social roles, interactions among and everyday life practices of human beings.
- To understand the interactions of human beings with the larger society.
  
- To understand one’s own society, its culture, institutions, and patterns of interactions.
- To understand other cultures, their way of life, elicit views of others and develop and practice ‘cultural relativism’ as part of their life.

➤ **Department of History**

**Programme Outcomes • B.A History**

- History is an account of the changes in human life and society, the ideas that determine the functions of society and the physical conditions that helped in its progress.
- History encompasses all areas of life.
- A student of history acquires logistic knowledge of life.
- The goal of the history department is to build such historians based on the teaching of the curriculum.
- Students can build a bridge between past and present through their research, through which the society can get an overview of the past.
- **Programme specific Outcomes B.A. History**
- The following career fields are open to the students with graduate degree-
- Central Government Services through UPSC.

- Eligibility to various administrative posts through PSC.
- Various career options in museums.
- As a tourist guide, archeological assistant.
- Eligible for higher education in various special disciplines of History and in the field of script writer, record manager, memorial and archeological department.

**• Course Outcomes B.A. History**

- Understands the concept, nature and significance of historical facts.
  - Understands the Vedic Period - Society, Polity, Culture and Religion. • Understands Harappan Civilization.
  - •Introduction to 16 Mahajan Pads.
  - • Rise of Buddhism and Jainism, Mauryanempire.
  - • This paper gives an idea about the beginning of modern era- Renaissance, decline of feudalism etc.
  - • Students can learn economic revolution of the Modern west, American Revolution, French Revolution.
  - • This paper gives an idea of the age of Napoleon, Liberalism in England.
- Students acquire knowledge of imperialism and colonialism. • This paper gives an idea of third Republic of France. • This paper gives an idea of capitalism and ideological clashes between nations. • Student acquire knowledge of causes, results and effects of first world war, Russian revolution, fascism in Italy, internal and foreign policy of Hitler and effects of World WarII. Students learn tendency of British exploitation and suppression of mass movement. • Students acquire knowledge about Swadeshi movement, JaliawalaBagh massacre. • Students acquire knowledge about Gandhian era, Round Table conference, Quit India movement. • Students acquire knowledge of Indian agriculture, rise of modern Industry, socio-religious movements.

**➤ Department of Home Science**

**Program Outcomes :**

- Women Empowerment.
- Skill Building and skill enhancement.
- Capacity building.
- Entrepreneurial skills development.



- Enhanced employability.

**Program Specific Outcomes :**

- Understand the biological sciences and nutrition that enhance the quality of life in day to day living.
- Acquire professional and entrepreneurial skills for economic empowerment of self in particular and of community in general.
- Develop professional skills in food, nutrition, textiles, housing, product making etc.
- Take community science from the laboratory to the people.
- Competence in social relationship and inter personal skills.
- Development of critical sensitivity towards community issues and process.
- Acquire basic management skills for organizing events, resource mobilization, leading community-based projects etc.

**Course Outcomes: –**

- Applied Sciences and Human Health – Physiology, elementary anatomy, concepts of health education, immunity, diseases, public health, pollution and the environment.
- Family Resource Management – home management, human and non human resources, family budget, wants, housing needs, interior decoration.
- Fundamentals of food & Nutrition – classification, function, diet, constituents, deficiency diseases, basic food groups, nutritional needs, food adulteration, food poisoning.
- Human Development – Mother craft & child care, child development, importance of play, juvenile delinquency, factors affecting child development, Reproduction, pregnancy, prenatal care & development, delivery types, problem children. Family relationship skills, counseling guidance.
- Introduction to Textiles & clothing – classification, manufacture, identification, equipment, fabric selection, construction of clothing.
- Extension & communication – meaning, origin, importance, scope, personal approach.