

The Programme outcomes of Various Courses

The Programme outcomes of Bachelor of Arts (B.A)

PO1: Students are introduced to community engagement and global understanding

PO2: Critical and creative thinking of the students have been developed.

PO3: Students developed their Communication skills.

PO4: Ethical values are inculcated among the students.

The Programme outcomes of Bachelor of Commerce (B.Com)

PO1: Students received knowledge of the application of basic skills necessary for analysis of Programmes in Economics, Accounting, Marketing, Management and Finance.

PO2: Understanding of the students is improved of national economic and business scenario.

PO3: Students developed their entrepreneurship and contributed in the successful operation of a business.

The Programme outcomes of Bachelor of Science (B.Sc)

PO1: The students understood the fundamentals of science education.

PO2: The students' knowledge in all basic sciences is enriched.

PO3: Interdisciplinary approach amongst students has been developed.

PO4: Sense of scientific responsibilities, social and environment awareness have been inculcated among the students.

PO5: Students built-up a progressive and successful career in academics and industry.

PO6: Students are motivated to contribute in the development of Nation and community.

The Programme Outcomes of M.Sc. Mathematics

PSO1: Communicate concepts of Mathematics and its applications.

PSO2: Acquire analytical and logical thinking through various mathematical tools and techniques.

PSO3: Investigate real life problems and learn to solve them through formulating mathematical models.

PSO4: Attain in-depth knowledge to pursue higher studies and ability to conduct research. Work as mathematical professional.

PSO5: Achieve targets of successfully clearing various examinations/interviews for placements in teaching, banks, industries and various other organizations/ services.

The Programme Outcomes of M.Sc. Physics:

PSO1: The students would be able to realize various applications with proper understanding of linear vector space and matrices, differential equations, special functions, series expansion and integral transforms. The students are enabled to understand the motion of a mechanical system using Lagrange and Hamilton formalisms, concept of central force motion and moving co-ordinate systems and theory of small oscillations.

PSO2: The students would be able to understand the concepts of Quantum mechanics and capable to solve problems such as hydrogen atom, determination of the energies and wave functions of first and second order. The students would be able to explain ground state of hydrogen and helium molecules and analyse various transitions and their selection rules.

PSO3: The students would be able to explain basic physics and application of different types of electronic devices, familiarization with integrated circuit fabrication technology, design of switching circuits and to seek career in advance research.

PSO4: The students would be able to apply ensemble theory to complex problems, analyze the peculiar gas behaviour and explore the applications of Ising Model and different approximations.

PSO5: Analysis of effect of doping in semiconductor materials, carrier concentration and mobility, fabrication of various active & passive circuit components and metal semiconductor junctions, devices in the microwave region and related applications. In addition, the student will be able to differentiate between different lattice types, explain motion of electron in periodic lattice, understand lattice vibrations in solids and explain various types of magnetic phenomena and possible applications.

PSO6: The student will be able to explain Raman effect and different types of Raman spectra, Electronic spectra and electronic bands using Born Oppenheimer approximation and Frank Condon principle and origin of x-rays and different types of x-rays alongwith emission and absorption spectra. The students would be able to appreciate NMR, ESR and Mossbauer spectroscopy and related applications in the field of spectroscopy/material science/ lasers.

PSO7: Understanding the nature of a specific numerical problem, designing Programmes in different languages, new necessary basic knowledge of various web enabling languages like HTML and JAVA to acquire a vision for use of computer in research prospective.

PSO8: The students will be able to implement Boolean expressions, design basic building blocks of ICs for different operations and develop building blocks for ICs using MOSFET. The students will be able to understand the fabrication process of solar cells, photodiodes, PMT's etc. and realize operational amplifier and related applications such as comparator, A/D & D/A convertor, oscillators etc.

The Programme Outcomes of M.Sc. Chemistry

PSO1: Understand nature of bonding and hybridization of compounds.

PSO2: Analyse the reaction mechanism and structure of transition metal complexes.

PSO3: Understand the quantum mechanics, thermodynamics and Electrochemistry.

PSO4: Analyse the bonding and stereochemistry of organic molecules.

PSO5: Understand the various instrumental techniques for structural study of the Compounds.

PSO6: Perform thermodynamic and surface studies of the liquid mixtures.

PSO7: Understand nuclear, radio analytical techniques and corrosion technology.

PSO8: Analyse the bioorganic, bioinorganic chemistry and heterocyclic chemistry and their applications.

The Programme Outcomes of M.Com

PSO1: Students will be able to understand the role of business-men, entrepreneurs, managers, consultants, and the same is required for critical decision making.

PSO2: This course provides a learning environment to the students through students can understand the global and national perspective of the economy.

PSO3: The course will provide the skills required for effective communication, decision making techniques which are useful for day to day routine business problems.

PSO4: The course provides a platform for the researchers to get new dimensions for the economy. Through this Programmeme the students will involve in various co-curricular activities; and demonstrate their practical and theoretical knowledge; and gain practical exposure in corporate world.

PSO5: Students can also acquire practical skills to work as tax consultant, audit assistant and other financial supporting services.

PSO6: Students will be able to do higher education and advance research in the field of commerce and finance.

PSO7: Students are able to understand and develop ethical, logical and professional behavior.

PSO8: It helps the students to demonstrate adequate skills, knowledge and ability to nurture them for tackling the different situations of the life for their overall development.