

UNDERGRADUATE PROGRAMME SPECIFIC OUTCOMES

Name of the Programme: B.Sc. Physics

PSO 1	After successful completion of B.Sc. Physics programme students will be able to: understand Newton's laws and apply them in calculations of the motion of simple systems.
PSO 2	Can apply the concepts of surface tension and viscosity and be able to perform calculations using them.
PSO 3	Can explain the atomic excitation and LASER principles.
PSO4	Will be able to differentiate the types and sources of electromagnetic waves and applications.
PSO 5	Quantitative problem solving skills will be developed.
PSO6	Gain the knowledge of the properties of and relationships between the thermodynamic properties of a substance
PSO7	The students will be able to analyze the refrigerators, heat pumps and calculate coefficient of performance.
PSO8	The students will be able to understand the concept of the electric force, electric field and electric potential for stationary charges.
PSO9	The learners will be able to understand vector algebra useful in mathematics and physics
PSO10	Apply different theorems and laws to electrical circuits.
PSO11	Will know the parameters, characteristics and working of transistors
PSO12	Recognize the principles of oscillations and it's scope in development.
PSO13	Explain oscillations in terms of energy exchange with various practical applications.
PSO14	To acquire the basic concept of wave optics.
PSO15	Use different mathematical methods to solve differential equations related to Physics problems.
PSO16	Use the basics of electrodynamics.

PSO17	Gain the knowledge of the basic concepts in Classical Mechanics.
PSO18	Understand the dynamics of scattering process and planetary motion.
PSO19	Understand the basic concepts and use of different spectroscopy.
PSO20	Able to use different numerical methods used to solve Physics problems.
PSO21	The students will be able to understand the basic concepts and syntax of Python programming.
PSO22	The students will be able to use different mechanical and electrical measuring instruments in Physics experiments.