

B.Sc. Physics (3-Year Course)

B.Sc. Physics 3 year degree program has following outcomes

Course Outcomes:-

- 1) Students are able to explain construction working & Characteristics of electronic components e.g. diodes, transistor, FET, UJT & are able to understand digital devices such as gates, flip-flops & adders.
- 2) Students can solve the problems from thermodynamics, electronics, classical mechanics and quantum mechanics.
- 3) Students can realize the importance of non-conventional energy sources and the use of solar cell.
- 4) Students are able to understand band theory of solids & different crystal systems.
- 5) Students can explain fundamentals of nuclear & particle Physics.

Program Outcomes:-

- 1) Students attain knowledge of concepts & theories in core disciplines, such as mathematical physics, classical mechanics, Quantum mechanics, electrodynamics thermodynamics, optics & lasers, electronics & semi-conductor devices, Nuclear physics, particle physics, Energy studies, Materials science, solid state physics & astrophysics.
- 2) Students are able to build & test electronic circuits & conduct the experiments to study the physical phenomena.
- 3) Students can prepare document, obtain, analyze & interpret the results of experiments.
- 4) Students are able to communicate the results through written report & oral presentation.
- 5) Students are prepared to opt for post graduate programs in physics & take technical positions in industry & govt.-agencies.

Program Specific Outcomes:-

- 1) Students Can recognize how observations, experiment & theory, are going together.
- 2) Students can identify test electronic components such as diodes, transistors integrated circuits.
- 3) Students can use classical experimental skills and other technical skills from electricity, optics, lasers & electronics.
- 4) Students can communicate in writing, graphically or verbally the concepts & theories from core disciplines of physics.