

Previous M. Sc.(Physics)-Curriculum (2016): (70 credits)

Semester -I (19)

Wave formalism (QM) (1)
Hydrogenic atoms (1)
Symmetries in (QM)(1)
Classical Mechanics (1)
Numerical methods (1)
Experimental Techniques (1)
Linear Vector Spaces (1)
Fourier Series and Integral Transforms (1)
Electronics (2)
Complex Analysis (1)
Classical Electromagnetism (1)
Nonlinear Dynamics (1)
Optics (1)
Thermal Physics (1)
Free elective (2)
Lab - (2)

Semester-II (19)

Special Functions and DE (1)
Group Theory (1)
Digital Electronics (1)
Electrodynamics (2)
Analytical Mechanics (2)
Scattering Theory (1)
Approx methods in QM (1)
Relativistic QM (1)
High Energy Physics (1)
Crystal structure (1)
Atomic & Mol. Physics (1)
Statistical Physics (2)
Photonics & Laser (2)
Lab- (2)

Semester -III (18)

Solid State Physics (2)
Particle Physics (2)
Characterization techniques (2)
Nuclear Physics (1)
Spectroscopy (2)
Elective (1)
Computational Physics (2)
Project - (2)
Elective -I (2)
Lab - (2)

Semester -IV (14)

Elective- II (2)
Elective - III (2)
Elective - IV (2)
Project - (Continued from Sem. III) - (8)
