M.Sc.(Physics)-Curriculum (2017 onwards): (70 credits)

Semester -I (17)

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Wave formalism (QM) (1)
Hydrogenic atoms (1)
Symmetries in (QM) (1)
Classical Mechanics (1)
Experimental Techniques (1)
Linear Vector Spaces (1)
Fourier series and Integral Transforms (1)
Electrodynamics (2)
Complex Analysis (1)
Classical Electromagnetism (1)
Nonlinear Dynamics (1)
Optics (1)
Analytical Mechanics (2)
Lab - (2)
                                         Semester-II (19)
Special Functions and DE (1)
Group Theory (1)
Digital Electronics (1)
Electronics (2)
Scattering Theory (1)
Approx methods in QM (1)
Relativistic QM (1)
High Energy Physics (1)
Crystal structure (1)
Thermal Physics (1)
Statistical Physics (2)
Photonics & Laser (2)
Elective I (2)
Lab- (2)
                                        Semester -III (20)
Solid State Physics (2)
Computational Physics I (1)
Particle Physics (2)
Atomic & Molecular Physics (1)
Elective II (2)
Nuclear Physics (1)
Spectroscopy (2)
Computational Physics II (2)
Elective- III (2)
Project - (1)
Elective -IV (2)
Lab - (2)
                                        Semester -IV (14)
Free elective (2)
Elective - V (2)
Elective - VI (2)
Project - (Continued from Sem. III) - (8)
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