



M.Sc Physics

Semester Wise Subjects in the Entire Curriculum as per NEP 2020

Affiliated to M.J.P Rohilkhand University, Bareilly

M.Sc Physics 1st Year

M.Sc Physics 1st Semester (ODD)	M.Sc Physics 2nd Semester (ODD)
1 Mathematical Physics	1 Atomic & Molecular Spectroscopy
2 Classical Mechanics	2 Statistical Mechanics
3 Quantum Mechanics 1	3 Solid State Physics
4 Electronic Devices	4 Physics of Nanoscale Materials
5 Practical Lab 1	5 Practical Lab 2
6 Industrial Training / Research Project / Survey	6 Industrial Training / Research Project / Survey
7 Computer Programming C & MATLAB	

M.Sc Physics 2nd Year

M.Sc Physics 3rd Semester (ODD)	M.Sc Physics 4th Semester (EVEN)
1 Nuclear Physics 1	1 Quantum Mechanics 2
2 Electromagnetics Theory	2 Nuclear Physics 2
3 Master Dissertation	3 Master Dissertation
4 Analog Communication System	4 Electronics 2 : Digital Electronics & Microprocessors
OR	OR
Condensed Matter Physics 1	Condensed Matter Physics 2
5 Advanced Solid State Physics	5 Classical Electrodynamics & Plasmas
OR	OR
Lasers & Fiber Optics	Modern Communications Electronics
OR	OR
Atmospheric Physics & Space Science	Materials Science & Energy Devices
6 Practicals	6 Practicals