

COURSE PATTERN

Course: **M.Sc.,** Major : **PHYSICS**

Semester	Course Code	Title of the Paper
I	MSPH 101	Advanced Mathematical Physics
	MSPH 102	Classical and statistical mechanics
	MSPH 103	Electronics and Communication
	MSPH 104	Instrumentation
	MSPH 105 P	Practical - I
	MSPH 106	Communication English - I
	MSPH 107 P	Computer paper – I
II	MSPH 101	Microprocessor and Microcontroller
	MSPH 102	Quantum Mechanics
	MSPH 103	Atomic and Molecular Physics
	MSPH 104	Condensed Matter Physics
	MSPH 105 P	Practical – II
	MSPH 106	Communication English - II
	MSPH 107 P	Computer paper – II
III	MSPH 101	Electromagnetic Theory
	MSPH 102	Nuclear and Particle Physics
	MSPH 103	Programming in C++
	MSPH 104 P	Practical – III
	MSPH 105	Communication English - III
	MSPH 106 P	Computer paper – III
IV	MSPH 401	Elective I
	MSPH 402	Elective II
	MSPH 403 P	Practical – IV
	MSPH 404	Project Work

*Optional papers

1. Non conventional Energy physics
2. Photonics Devices and Applications
3. Nanoscience and Technology

(Choose any Two out of three)