

M.Sc.(II year) Semester 3 & 4 Electives

SEMESTER 3

ODD			EVEN		
ELECTIVE 1 (PSPHET...)			ELECTIVE 2(PSPHET...)		
CODE	NAME	CHOICE	CODE	NAME	CHOICE
301	Nuclear Structure		302	Particle Physics	
303	Electronic Structure of Solids		304	Surfaces and Thin Films	
			306	8,16 bit Microprocessors & Microcontrollers	
307	Signal Modulation & Transmission Techniques		308	Microwave Electronics, Radar & Optical Fibre Comm.	
			310	Thin Film Physics & Technology	
311	Fundamentals of Materials Science		312	Nanoscience & Nanotechnology	
			314	Galactic & ExtraGalactic Astronomy	
315	Applied Thermodynamics				

SEMESTER 4

ODD			EVEN		
ELECTIVE 3 (PSPHET...)			ELECTIVE 4(PSPHET...)		
CODE	NAME	CHOICE	CODE	NAME	CHOICE
401	Expt Tech in Nucl Physics		402	Nuclear Reactions	
403	Crystalline & Non-crys. solids		404	Properties of Solids	
405	Liquid Crystals		406	Programming & Embedded Systems	
407	Digital Comm Sys & Python Programming		408	Computer Networking	
409	Physics of Semiconductor Devices		410	Polymer Physics	
411	Materials & their Appl.		412	Energy Studies	
413	Astronomy & Space Physics		414	Numerical Techniques	
415	Quantum Field Theory		416	Quantum Computation	
			418	Non-linear Dynamics	