S. NO.	COURSE	COURSE CODE	LEVEL	SYLLABI	WEIGHTAGE	NO. OF CLASSES PER WEEK	COURSE SPECIFIC OUTCOME	PROGRAME OUTCOME
1.	ELECTRONIC DEVICES	H-1030	PG	View Document	50	3	Students are able to understand: ➢ Characteristics of junction diodes ➢ Characteristics of junction transistors ➢ Types of transistors ➢ Use of junction diodes and junction transistors	***Students are able to understand basic concepts and practical use of*** • Characteristics and Types of junction diodes and junction transistors • Electrostatics, Electromagnetic Wave and Plasma • Microwave Devices Transmission and Radiation of signals • Computational methods, Numerical differentiation, integration, solution of ordinary differential equations and Programming
2.	ELECTRODYNAMICS & PLASMA PHYSICS	H-2029	PG		50	3	Students are able to understand the concepts of: ➢ Electrostatics ➢ Magnetic statics ➢ Time-Varying Fields ➢ Plane Electromagnetic Wave ➢ Plasma	
3.	SPECIAL PAPER II: ELECTRONICS	H-7027	PG		50	3	Students are able to understand the basic concepts of: ➢ Microwave Devices ➢ Amplitude Modulated Systems ➢ Frequency Modulated Systems ➢ Transmission and Radiation of signals ➢ Fiber optic communications	
4.	COMPUTATIONAL METHODS AND PROGRAMMING	H-4027	PG		33	3	Students are able to understand the basic concepts of: ➢ Computational methods ➢ Diagonalization of matrices ➢ Numerical differentiation and Numerical integration ➢ Numerical solution of ordinary differential equations	

							➢ Programming	
1.	ATOMIC, MOLECULAR AND LASER PHYSICS	B-216	UG	View Document	33	3	Students are able to understand the basic concepts of: ➢ Atomic Physics ➢ Molecular Physics ➢ Laser Physics	***Students are able to understand basic concepts and practical use of*** • Atomic Physics, Molecular Physics and Laser Physics • Characteristics and types of semiconductors • Power supply and its regulation
2.	SOLID STATE PHYSICS and ELECTRONICS	B-318	UG		50	1	Students are able to understand: ➢ Characteristics of semiconductors ➢ Characteristics of transistors ➢ Types of transistors and their characteristics ➢ Power supply and its regulation ➢ Integrated circuits	