COURSE OUTCOMES (CO)

DEPARTMENT OF PHYSICS

GROUP :MPCs

SL NO	PAPER	NUMBER	COURSE OUTCOMES
01	WAVES& OPTICS	CO1	To understand the concepts of Interference of Light by studying Interference phenomena.
		CO2	To acquire the knowledge of concepts of Diffraction phenomena.
		CO3	To understand the concepts of Polarization of light.
		CO4	To gain the knowledge of the concepts of Aberrations.
02	ELECTROM AGN ETIC THEORY	CO1	To have the knowledge of concepts of electric field ,electric flux, Gauss's law and it's applications, concept of electric potential etc.
		CO2	The know the concepts of magnetic field and magnetic flux, Biot-Savart' s law and it's applications, Ampere's law and applications etc.
		CO3	To have the knowledge of Faraday's laws of electromagnetic Induction, Lenz's law, concepts of self induction and mutual induction.
		CO4	To understand the Maxwell's electromagnetic wave equations in free space & dielectric medium, Transverse nature of Electromagnetic waves. Polarization of Electromagnetic waves etc.
03	MODERN PHYSICS	CO1	To acquire knowledge regarding the concept of black body radiation, photoelectric effect, atomic spectra, Bohr's model and Somerfield's model.
		CO2	To know the concepts of dual nature of matter, matter waves, Heisenberg uncertainty principle and applications.
		CO3	To Acquire the knowledge about concept of nucleus, nature of nuclear forces and nuclear models.
		CO4	To Know the concept of radioactive materials, half life , mean life, types of decay, nuclear reactions and elementary particles.
04	BASIC ELECTRONIC S	CO1	To understand the concepts of Network elements and network theorems.
		CO2	To acquire the knowledge on Band theory of P-N junction diodes and uses of junction diode.
		CO3	o understand the concepts of bipolar junction transistor, uses of BJTs.
		CO4	To Understand the concept of Binary number system, Decimal, Hexadecimal Number system, Boolean algebra, Logic gates , De-Morgan's theorems.

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