

**PHYSICS (Code No. 042)
 COURSE STRUCTURE
 Class XII – 2021-22 (Theory)**

**CLASS XII (2021-22)
 (THEORY)**

Time: 3 hrs.

Max Marks: 70

		No. of Periods	Marks
Unit-I	Electrostatics	24	16
	Chapter-1: Electric Charges and Fields		
	Chapter-2: Electrostatic Potential and Capacitance		
Unit-II	Current Electricity	18	17
	Chapter-3: Current Electricity		
Unit-III	Magnetic Effects of Current and Magnetism	22	
	Chapter-4: Moving Charges and Magnetism		
	Chapter-5: Magnetism and Matter		
Unit-IV	Electromagnetic Induction and Alternating Currents	20	
	Chapter-6: Electromagnetic Induction	04	18
	Chapter-7: Alternating Current		
Unit-V	Electromagnetic Waves		
	Chapter-8: Electromagnetic Waves	27	12
Unit-VI	Optics		
	Chapter-9: Ray Optics and Optical Instruments		
	Chapter-10: Wave Optics		
Unit-VII	Dual Nature of Radiation and Matter	08	
	Chapter-11: Dual Nature of Radiation and Matter	15	7
Unit-VIII	Atoms and Nuclei		
	Chapter-12: Atoms		
	Chapter-13: Nuclei	12	70
Unit-IX	Electronic Devices		
	Chapter-14: Semiconductor Electronics: Materials, Devices and Simple Circuits	150	
Total		150	70

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