

#### 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	
	Chapter-3: Current Electricity		
Unit-III	Magnetic Effects of Current and Magnetism	22	17
	Chapter-4: Moving Charges and Magnetism		
	Chapter-5: Magnetism and Matter		
Unit-IV	Electromagnetic Induction and Alternating Currents	20	
	Chapter-6: Electromagnetic Induction		
	Chapter-7: Alternating Current		
Unit-V	Electromagnetic Waves	04	18
	Chapter-8: Electromagnetic Waves		
Unit-VI	Optics	27	
	Chapter-9: Ray Optics and Optical Instruments		
	Chapter=10: Wave Optics		
Unit-VII	Dual Nature of Radiation and Matter	08	12
	Chapter-11: Dual Nature of Radiation and Matter		
Unit-VIII	Atoms and Nuclei	15	
	Chapter-12: Atoms		
	Chapter-13: Nuclei		
Unit-IX	Electronic Devices	12	7
	Chapter–14: Semiconductor Electronics: Materials, Devices and Simple Circuits		
Total		150	70

# **Physical Science Grade 11 12 Syllabus**

**Julia Schneider** 

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