

CLASS:	12	SUBJECT:	PHYSICS
BOOK:	NOOTAN ISC PHYSICS CLASS XII (Part 1 and 2) Kumar and Mittal Nageen Publications		

FIRST TERM			
Month	Topic	Chapters	Periods
April (12)	Electrostatic Potential, Potential energy and Capacitance	2	6
	Electric Resistance and Ohm's Law	3	6
May (7)	Moving charges and Magnetism	4	4
	Magnetism and matter	5	3
June (7)	Electromagnetic Induction	6	4
	Alternating Current	7	3
July (15)	Electromagnetic Waves	8	3
	Wave Optics	10	9
	Ray Optics and Optical Instruments	9	3
August (15)	Ray Optics and Optical Instruments (Continued)	9	15
	Revision		4
Project (June)	Project topic should be chosen by students according to council rule.		
Revision Days			4
No. of classes			56

UNIT TEST - 1st Term		
Month	Topic	Chapters
June 07-07-2025	Electric charges and fields	1
	Electrostatic Potential, Potential energy and Capacitance	2
	Electric Resistance and Ohm's Law	3

EXAMINATION - 1st Term		
Month	Topic	Chapters
September	Electric charges and fields	1
	Electrostatic Potential, Potential energy and Capacitance	2
	Electric Resistance and Ohm's Law	3
	Moving charges and Magnetism	4
	Magnetism and matter	5
	Electromagnetic Induction	6
	Alternating Current	7
	Electromagnetic Waves	8
	Wave Optics	10

ACTIVITIES
Experiment on Resistance and their connection.

SYLLABUS

SECOND TERM			
Month	Topic	Chapters	Periods
October (11)	Dual nature of radiation and matter	11	5
	Atoms	12	6
November (13)	Nuclei	13	5
	Semiconductor Electronics	14	5
	Revision		3
December (1)	Revision		1
Project	Not applicable		
Revision Days			4
No. of classes			25

UNIT TEST –2nd Term		
Month	Topic	Chapters
	Not applicable	

EXAMINATION–Pre Board		
Month	Topic	Chapters
January	Full book of class 12 Physics according to the council syllabus	

ACTIVITIES	
	Not applicable