NAVY CHILDREN SCHOOL SPLITUP SYLLABUS SESSION 2024-25 CLASS XII SUBJECT-PHYSICS (042)

TOPIC	No of periods required	MONTH	LIST OF EXPERIMENTS	WEIGHTAGE
ELECTRIC CHARGES AND FIELD	8	April	SECTION A 1. To determine resistivity of two /	16
POTENTIAL AND CAPACITANCE	12	April ,	three wires by plotting a graph for potential difference versus current.	10
CURRENT ELECTRICITY	15	May/JUN	2. To find resistance of a given wire / standard resistor using metre bridge.	
MAGNETIC	16	JUN/JULY		
EFFECTS OF CURRENT MAGNETISM	6	JULY	3. To verify the laws of combination (series) of resistances using a metre bridge.	17
ELECTRO MAGNETIC INDUCTION	8	JULY	4 To find the frequency of AC mains with a sonometer.	
ALTERNATING CURRENT	10	AUG	3 ACTIVITIES FROM SEC A	
ELECTROMAGNET IC WAVES	3	AUG	1 Convex Lens: - Finding focal length of convex	
RAY OPTICS	15	SEP	method with an optical bench. 2 Convex mirror - To find 'f' of	18
WAVE OPTICS	10	SEPT	using a convex lens.	
DUAL NATURE OF RADIATION &	6		FROM SEC B) 3. To find the refractive index	12
MATTER ATOMS	6	SEPT/OCT	of a liquid using convex lens and plane mirror.	
NUCLEI	5			
ELECTRONIC DEVICES (SEMI CONDUCTOR)	6	ОСТ	4.P-N junction diode (a) Forward bias	7
			characteristics (b) Reverse Bias characteristics Project	
	ELECTRIC CHARGES AND FIELD POTENTIAL AND CAPACITANCE CURRENT ELECTRICITY MAGNETIC EFFECTS OF CURRENT MAGNETIC INDUCTION ALTERNATING CURRENT ELECTROMAGNET IC WAVES RAY OPTICS DUAL NATURE OF RADIATION & MATTER ATOMS NUCLEI ELECTRONIC DEVICES (SEMI	ELECTRIC CHARGES AND FIELD POTENTIAL AND CAPACITANCE CURRENT 15 MAGNETIC EFFECTS OF CURRENT MAGNETISM 6 ELECTRO MAGNETIC INDUCTION ALTERNATING CURRENT 10 ELECTROMAGNET IC WAVES RAY OPTICS 15 WAVE OPTICS 15 WAVE OPTICS 15 DUAL NATURE OF RADIATION & MATTER ATOMS 6 NUCLEI 5 ELECTRONIC DEVICES (SEMI 6	ELECTRIC CHARGES AND FIELD POTENTIAL AND CAPACITANCE MAGNETIC EFFECTS OF CURRENT MAGNETIC BLECTRO MAGNETIC INDUCTION ALTERNATING CURRENT ELECTROMAGNET IC WAVES RAY OPTICS DUAL NATURE OF RADIATION & MATTER ATOMS NUCLEI ELECTRONIC DEVICES (SEMI Control of the property of the pro	ELECTRIC CHARGES AND FIELD POTENTIAL AND CAPACITANCE 12 April , SECTION A 1. To determine resistivity of two / three wires by plotting a graph for potential difference versus current. 2. To find resistance of a given wire / standard resistor using metre bridge. MAGNETIC ELECTRO MAGNETIC INDUCTION ALTERNATING CURRENT IC WAVES AUG AUG AUG AUG ACTIVITIES FROM SEC A AUG I Convex Lens: Finding focal length of convex lens using us