NAVY CHILDREN SCHOOL

SPLITUP SYLLABUS

SESSION 2024-25

CLASS XII

SUBJECT-PHYSICS (042)

Chapter	TOPIC	No of periods required	MONTH	LIST OF EXPERIMENTS	WEIGHTAGE
1 **2** **3**	**ELECTRIC CHARGES AND FIELD** **POTENTIAL AND CAPACITANCE** **CURRENT ELECTRICITY**	**8** **12** **15**	**April** **April ,** **May/JUN**	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.	**16**
4 **5** **6** **7**	**MAGNETIC EFFECTS OF CURRENT** **MAGNETISM** **ELECTRO MAGNETIC INDUCTION** **ALTERNATING CURRENT**	**16** **6** **8** **10**	**JUN/JULY** **JULY** **JULY** **AUG**	3. To verify the laws of combination (series) of resistances using a metre bridge. 4 To find the frequency of AC mains with a sonometer. 3 ACTIVITIES FROM SEC A	**17**
8 **9** **10**	**ELECTROMAGNETIC WAVES** **RAY OPTICS** **WAVE OPTICS**	**3** **15** **10**	**AUG** **SEP** **SEPT**	1 Convex Lens: - Finding focal length of convex lens using u-v method with an optical bench. 2 Convex mirror - To find ‘f’ of convex mirror using a convex lens. (3 ACTIVITIES FROM SEC B)	**18**
11 **12** **13**	**DUAL NATURE OF RADIATION & MATTER** **ATOMS** **NUCLEI**	**6** **6** **5**	**SEPT/OCT**	3. To find the refractive index of a liquid using convex lens and plane mirror.	**12**
14	**ELECTRONIC DEVICES (SEMI CONDUCTOR)**	**6**	**OCT**	4.P-N junction diode (a) Forward bias characteristics (b) Reverse Bias characteristics Project	**7**
		TOTAL : 123		30	70