

BAGARIA BAL VIDYA NIKETAN

LAXMANGARH-SIKAR

SYLLABUS & LESSON PLANNER-2025-26

Class:-	XII
Subject:-	PHYSICS
Teacher Name:-	SUMIT SAINI

SYLLABUS

Ch.No	Name of Chapter	working day	Period	Topic	Month	Week
UNIT-I	CHAP-1 [ELECTRIC CHARGESVAND FIELDS] CHAP-2 [ELECTRIC POTENTIAL AND CAPACITANCE]	23	42	ELECTRIC CHARGES,COULOMB'S LAW	APRIL	1
				ELECTRIC FIELD, ELECTRIC FIELD DUE TO POINT CHARGE, ELECTRIC FIELD LINES		2
				ELETRIC FLUX, AND GAUSS'S LAW		
				APPLICATION OF GAUSS'S LAW		3
				ELECTRIC POTENTIAL, ELECTRIC DIPOLE		
				ELECTRIC POTENTIAL ENERGY, CAPACITORS		
				PARALLEL AND SERIES COMBINATION OF CAPACITOR		4
UNIT-2	CHAP-3 CURRENT ELECTRICITY	13	23	ELECTRIC CURRENT, FLOW OF ELECTRIC CHARGES IN A METALLIC CONDUCTOR, DRIFT VELOCITY, MOBILITY	MAY	1
				OHMS LAW AND LIMITATIONS , ELECTRIC ENERGY AND POWER		2
				KIRCHHOFFS RULES AND WHEATSTONE BRIDGE		
UNIT - 3	CHAP - 4 MOVING CHARGE AND MAGNETISM CHAP - 5 MEGNATISM AND MATTER	11	20	BIOT SAVART LAW OF MAGANTISM, AMPERE'S LAW	JUNE	1
				SOLENOID AND FORCE BETWEEN TO PARALLEL CCONDUCTORS		
				CURRENT LOOP TORQUE EXPERIENCED BY A LOOP IN M.F.		
				BAR MAGNET,MAGNETIC PROPERTIES OF MATERIALS		2
				MAGNETIZATION OF MATERIALS		
	CHAP-9 RAY OPTICS AND OPTICAL			REFLECTION OF LIGHT, SPHERICAL MIRRORS, MIRROR FORMULA	JULY	1
				REFRACTION OF LIGHT,TIR AND OPTICAL FIBERS, LENS FORMULA		

UNIT-6	INSTRUMENTS AND [CHAP-10] WAVE OPTICS	27	49	OPTICAL INSTRUMENTS; MICROSCOPES AND TELESCOPES		2
				WAVE FRONT AND HUYGEN'S PRINCIPLE, INTERFERENCE		3
				YOUNG'S DOBLE SLIT EXPERIMENT AND EXPRESSION		4
UNIT-7,8,9	CHAP-11 DUAL NATURE OF RADIATION AND MATTER[CHAP-12] ATOMS [CHAPT-13] NUCLEI [CHAP-14] SEMICONDUCTOR ELECTRONICS	24	44	DUAL NATURE OF RADIATION, PHOTOELECTRIC EFFECT, HERTZ	AUGUST	1
				AND LENARDS OBSERVATIONS, EINSTEINS PHOTOELECTRIC EQ		2
				ALPHA PARTICAL SCATTERING EXPERIMENTS , RUTHERFORDS MODEL OF ATOM		3
				BOHR MODEL, MASS ENERGY RELATION, MASS DEFECT, NUCLEAR FUSION		4
				ENERGY BANDS IN CONDUCTORS , P- TYPE AND N-TYPE JUNCTIONS		
UNIT-4 and 5	CHAP-6 ELECTROMAGNETIC INDUCTION [CHAP-7] ALTERNATING CURRENT AND CHAP -8 EMW	22	40	ELECTROMAGNETIC INDUCTION, FARADAYS LAWS, INDUCED EMF AND CURRENTS	SEPTEMBER	1
				LENZS LAW, SELF AND MUTUAL INDUCTION		2
				ALTERNATING CURRENTS, PEAK AND RMS VALUE OF ALTERNATING CURRENT		3
				LCR CIRCUIT , RESONANCE, AC GENERATOR, TRANSFORMER.		4
				DISPLACEMENT CURRENT,EMW		