BAGARIA BAL VIDYA NIKETAN							
LAXMANGARH-SIKAR							
SYLLABUS & LESSON PLANNER-2024-25							
Class:-	XII						
Subject:-	PHYSICS						
Teacher Name:-	SUMIT SAINI						
SYLLABUS							
Ch.No	NAME OF BOOKS	Name of Chapter	working day	Period	Topic	Month	Week
UNIT-I	N.C.E.R.T	CHAP-1 [ELECTRIC CHARGESVAND FIELDS] CHAP-2 [ELECTRIC POTENTIAL AND CAPACITANCE]	23	30	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		4
					CAPACITOR		
UNIT-2	N.C.E.R.T	CHAP-3 CURRENT ELECTRICITY	13	17	ELECTRIC CURRENT, FLOW OF ELECTRIC CHARGES IN A	MAY	1
					METALLIC CONDUCTOR, DRIFT VELOCITY, MOBILITY		2
					OHMS LAW AND LIMITATIONS , ELECTRIC ENERGY AND POWER		
					KIRCHHOFFS RULES AND WHEATSTONE BRIDGE		
					BIOT SAVART LAW OF MAGANTISM, AMPERE'S LAW	JUNE	1

UNIT - 3	N.C.E.R.T	CHAP - 4 MOVING CHARGE AND MAGNETISM CHAP - 5 MEGNATISM AND MATTER	11	14	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		
UNIT-6	N.C.E.R.T	CHAP-9 RAY OPTICS AND OPTICAL INSTRUMENTS AND [CHAP-10] WAVE OPTICS	26	34	REFLECTION OF LIGHT, SPHERICAL MIRRORS, MIRROR FORMULA	JULY	1
					REFRACTION OF LIGHT,TIR AND OPTICAL FIBERS, LENS FORMULA		
					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	N.C.E.R.T	CHAP-11 DUAL NATURE OF RADIATION AND MATTER[CHAP-12] ATOMS [CHAPT-13] NUCLEI [CHAP-14] SEMICONDUCTOR ELCTRONICS	24	32	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		
		CHAP-6			ELECTROMAGNETIC INDUCTION, FARADAYS LAWS, INDUCED EMF AND CURRENTS	SEP	1
					LENZS LAW, SELF AND MUTUAL INDUCTION		2

UNIT-4	N.C.E.R.T	ELECTROMAGNETIC INDUCTION [CHAP-7] ALTERNATING CURRENT	23	30	ALTERNATING CURRENTS, PEAK AND RMS VALUE OF ALTERNATING CURRENT LCR CIRCUIT , RESONANCE, AC GENERATOR, TRANFORMER.		3
					REVISION FOR TERM-I		4
SYLLABUS BREAK DUE TO EXAM PERIOD AND HOLIDAYS IN THE MONTH OF OCTOBER							
UNIT-5	N.C.E.R.T	CHAP-8 ELECTROMAGNETIC WAVES	23	30	CURRENT, ELECTROMAGNETIC WAVES	NOV	1
					ELECTROMAGNETIC WAVES		2
					ELECTROMAGNETIC SPECTRUM		3
UNIT-1 to 4	NCERT	CHAP -01 to 07	23	31	REVISION	DEC	1,2,3,4
UNIT 05 to 09	NCERT	CHAP-08 to 14	27	36	REVISION	JAN	1,2,3,4
UNIT 01 to 09	NCERT	COMPLETE SYLLABUS	12	16	REVISION	FEB	1,2