Grade : 12 Physics Mr. Govind Yadav

ANNUAL PLAN

MONTH	CHAPTERS	PRACTICALS
April	1. Electric charge and field	Charging of balloon and comb through conduction method. Charging of piece of paper through induction method.
June	1. Electric charge and field(continued) 2.Electric potential and Capacitance 3.Current Electricity	1.To determine resistivity of two / three wires by plotting a graph for potential difference versus current. 2. To verify the laws of combination (series) of resistances using a metre bridge. To verify the laws of combination (parallel) of resistances using a metre bridge. 3. To compare the EMF of two given primary cells using a potentiometer. To determine the internal resistance of a given primary cell using a potentiometer.
July	4. Magnetic effect of electric current 5.Magnetism	1.To determine resistance of a galvanometer by half-deflection method and to find its figure of merit. 2.To convert the given galvanometer (of known resistance and figure of merit) into a voltmeter of desired range and to verify the same. To convert the given galvanometer (of known resistance and figure of merit) into an ammeter of desired range and to verify the same.
August	6. Electromagnetic induction 7.Alternating Current 8. Electromagnetic wave	
September	Revision for Terminal examination	
October	9.Ray optics 10.Wave Optics 11. Dual nature of matter and Radiation	1. To find the focal length of a convex lens by plotting graphs between u and v or between 1/u and 1/v. 2. To find the focal length of a convex mirror, using a convex lens. To find the focal length of a concave lens, using a convex lens. 3. To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.

		4. To determine refractive index of a glass slab using a travelling microscope. 5. To find refractive index of a liquid by using convex lens and plane mirror. -
November	12.Atom , Molecule and Nuclei 13. Semiconductor	To draw the I-V characteristic curve for a p-n junction diode in forward bias and reverse bias.