

Board of School Education Haryana, Bhiwani
Senior Secondary Syllabus (Open)
Session : 2012-13
Sub. : Physics

Contents	Theory
Unit 1	Electrostatics
Unit 2	Current Electricity
Unit 3	Magnetic effect of Current and Magnetism
Unit 4	Electromagnetic Induction and AC
Unit 5	Electromagnetic Waves
Unit 6	Optics
Unit 7	Dual Nature of matter and Radiation
Unit 8	Atoms and Nuclei
Unit 9	Semiconductor Electronics
Unit 10	Communication Systems

Contents	Practical	
Topic		No. of Practical
1. Current Electricity	i) To Compare ii) To find out internal resistance of cell using iii) To find out unknown resistance using wheat stone Bridges	03 Emp of two cells using potentiometer.
2. Electromagnetic Induction & AC	i)	To find frequency of AC main using Sonometer.
3. Optics	i)	To find focal length of concave mirror & plot graph between $\frac{1}{u}$ & $\frac{1}{v}$
	ii)	To find out angle of Deviation for prism and plot graph between angle of deviation and angle of incidence.
	iii)	To find out focal length of convex lens.

4. Semiconductor Electronics
- i) To plot characteristics of PN junction diode.
 - ii) To plot V-I graph for Zener diode
 - iii) To plot forward & Reverse bias characteristic of NPN Common base transistors.