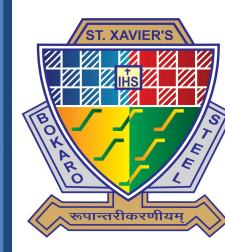


St. Xavier's School

Syllabus and Lesson Planner



Class	12	Syllabus (24-25)		
Subject	PHYSICS			
Ch. No.	Name of Chapter	Topic	Month	Week
1	Electrostatics	1. Electric charge and Coulomb's law.	March	1
		2. Electric field, dipole, potential and potential	April	1
		3. Capacitor.	April	1
2	Current Electricity	1. Mechanism of flow of current in conductors and electric energy.	April	1
		2. Kirchhoff's laws and applications of Kirchhoff's laws.	May	2
3	Ray Optics	1. Reflection by plane and spherical surfaces	June	1
		2. Refraction by prism and spherical surfaces.	June	1
		3. Optical instruments.	July	1
4	Dual nature of radiation and matter	1. Photoelectric effect.	July	1
		2. de-Broglie's hypothesis.	July	1
5	Atoms, nuclei and nuclear energy.	1. Atom, nuclei and nuclear energy.	July	1
6	Electronic devices	1. Semiconductors and types of semiconductors.	Aug.	1
		2. Diode.	Aug.	1
7	Magnetic Effect of Current & Magnetism	1. Moving charges and magnetism	Aug.	2
		2. Magnetism and matter	sep	1
8	Electromagnetic induction and alternating current.	1. Electromagnetic induction.	Oct.	2
		2. Alternating current.	Oct.	1
9	Electromagnetic wave	Electromagnetic wave	Nov.	1
10	Wave Optics	Wave optics	Nov., Dec	2
Unit test 1	Electrostatics			
Unit test 2	Current Electricity.			
Unit test 3	Electromagnetism			
Semester 1	Chapters: 1, 2, 3, 4, 5 and 6			
Model exam.	Chapters 1 to 10			