



Class XII (PCB)
SYLLABUS

FOR XI STUDYING STUDENTS (Going to XII)		
PHYSICS	CHEMISTRY	BIOLOGY
<ul style="list-style-type: none"> • Physical World • Units & Measurement • Kinematics • Laws of motion • Work, energy power • System of particles and Rotational motion • Gravitation • Mechanical properties of solids • Mechanical properties of fluids • Thermal properties of matter • Thermodynamics • Kinetic theory of gases • Oscillations • Waves 	<ul style="list-style-type: none"> • Some Basic Concepts of Chemistry • Structure of Atom • Classification of elements and Periodicity in Properties • Chemical Bonding and molecular structure • States of matter : Gases and Liquids • Thermodynamics • Equilibrium • Redox reactions • Hydrogen • S-Block elements • P-block elements • Organic chemistry : Basic principles & Techniques • Hydrocarbons • Environmental chemistry 	<ul style="list-style-type: none"> • The Living world • Biological classification • Plant kingdom • Animal Kingdom • Morphology of Flowering plant • Anatomy of Flowering Plants • Structural Organization in Animals • Cell-The Unit of Life • Biomolecules • Cell Cycle and Cell Division • Transport in Plants • Mineral Nutrition • Photosynthesis in Higher Plants • Respiration in Plants • Plant - Growth and Development • Digestion and Absorption • Breathing and Exchange of Gases • Body Fluids and Circulation • Excretory Products and Their Elimination • Locomotion and Movement • Neural Control and Coordination • Chemical Coordination and Integration

Duration : 2 Hrs.	Marking Scheme : +4, No Negative marking	TOTAL MARKS : 360
No. Questions : 90		
Physics : 25	Chemistry : 25	Biology : 40