



Class XII (PCM)
SYLLABUS

FOR XI STUDYING STUDENTS (Going to XII)		
PHYSICS	CHEMISTRY	MATHEMATICS
<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"> • Sets • Relation & functions • Trigonometric functions • Principle of mathematical induction • Complex Numbers and Quadratic Equations • Linear Inequalities • Permutation & Combination • Binomial theorem • Sequence and series • Straight lines • Conic section • Introduction to three dimension geometry • Limits and derivatives • Mathematical reasoning • Statistics • Probability

Duration : 2 Hrs.	Marking Scheme : +4, No negative marking	TOTAL MARKS : 300
No Questions : 75		
Physics : 25	Chemistry : 25	Mathematics : 25