

Sr No	Subject	Chapters/Units of the respective subject
1	Physics	Measurements, Scalars and Vectors, Force, Friction in solid and liquids, Refraction of Light, Ray optics, Magnetic effect of electric current, Magnetism, Kinetic Theory of Gases and Radiation, Circular Motion, Oscillations, Surface Tension, Atoms, Molecules, and Nuclei, Interference and Diffraction, Rotational Motion, Current Electricity, Electrostatics, Gravitation, Magnetic Effects of Electric Current, Stationary Waves, Electromagnetic Induction, Electrons and Photons, Semiconductors, Elasticity, Wave Motion, Wave Theory of Gases.
2	Chemistry	Some basic concepts of chemistry, States of matter : Gases and liquids, Redox reaction, Surface chemistry, Nature of chemical bond, Hydrogen, s-Block elements (Alkali and alkaline earth metals), Basic principles and techniques in Organic Chemistry, Alkanes, Chemical Thermodynamics and Energetic, Chemical Kinetics, P block elements, Halogens, Coordination Compounds, Aldehydes, Ketones and Carboxylic Acids, D & F-block elements, Biomolecules, Alcohols, Phenols, and Ethers, Polymers, Organic Compounds, Chemistry in Everyday Life, Solid State, Electrochemistry, Solutions.
3	Maths	Trigonometric functions, Trigonometric functions of Compound Angles, Factorization Formulae, Straight Line, Circle and Conics, Sets, Relations and Functions, Probability, Sequences and series, Integration, Applications of Derivatives, Trigonometric Functions, Differential Equations, 3D Geometry, Binomial Theorem, Differentiation, Straight Lines, Probability, Lines, Matrices, Plane, Circles, Linear Programming, Conics, Applications of Definite Integrals, Vectors, Statistics, Continuity.