

## VTSE Class 11<sup>th</sup> Non medical / medical

**Physics** — Physical World and Measurement, Kinematics, Laws of Motion, Work, Energy and Power, Motion of System of Particles and Rigid Body, Gravitation, Properties of Bulk Matter, Thermodynamics, Behaviour of Perfect Gases and Kinetic Theory of Gases, Oscillations and Waves .

**Chemistry**- Some Basic Concepts of Chemistry, Structure of Atom, Classification of Elements and Periodicity in Properties, Chemical Bonding and Molecular Structure, Chemical Thermodynamics, Equilibrium, Redox Reactions, Organic Chemistry: Some basic Principles and Techniques, Hydrocarbons .

**Maths** - Sets and Functions, Algebra, Coordinate Geometry, Calculus, Statistics and Probability .

**Biology** - Diversity of Living Organisms, Structural Organization in Plants and Animals, Cell: Structure and Function, Plant Physiology, Human Physiology .