

Syllabus For
PMT Combined Test (NEET Type)
PT – III
Target Batch
Test Date: 11.11.2018

PHYSICS

Basic mathematics, Error and measurements, Vector, Kinematics of particle, Relative motion, Projectile motion, Newton's law, Coulomb's law, Concept of electric field, Electric potential and potential energy, Dipole and its behaviour in electric field, Plane mirror, Spherical mirror, Refraction through plane surface and spherical surface, Lens and Prism.

CHEMISTRY

- **Some basic concept of chemistry:** Chemical formula, Element, compound, mixture, homogeneous and heterogeneous mixture, Atomic & molecular masses, Mole concept, limiting reagents, stoichiometric calculations, equivalent weight, number of structural isomers of organic molecules. Some important reactions, Nomenclature of organic compound, Biomolecule, solution
- **Organic chemistry:** Homolysis /heterolysis, electrophile/nucleophile, inductive effect, resonance, electromeric effect, alkane, alkene, alkyne, aromatic electrophilic substitution, orientation– ortho, meta, para.
- Solid state, atomic structure, Chemical kinetics
- Classification of elements and periodicity in properties, chemical bonding, redox, p–block

BOTANY

Biological classification Plant kingdom, Plant morphology, Reproduction in flowering plants, Biomolecules.

ZOOLOGY

Basis of animal classification, Non-chordata, Chordata, Digestion and respiration, Circulation, Excretory product and its elimination, Locomotion and movement.

