



VIBRANT ACADEMY (I) Pvt. Ltd.

Syllabus

PT-5 (Mains)

Date : 24-01-21

Course Googol-XIII Phase-IV (16 September Batch)

Physics

Unit & Dimension, Kinematics, NLM, Friction, Work Energy Power, Circular Motion, Centre of Mass, Rotation, Elasticity, Thermal Expansion, Calorimetry, Heat Transfer, KTG & Thermodynamics, Fluid Mechanics, Geometrical Optics, Optics Instruments, SHM, Electrostatics, Gravitation, Current Electricity.

Maths

Function, ITF, Limit, Continuity, Differentiability, Quadratic Equation, Vector & 3D, Conic Section, Straight Line, Circle, Matrices, Determinant, P & C, Determinants.

Organic Chemistry

Isomerism, Biomolecules, G.O.C., Tautomerism, Polymers, Amino acids, Hydrocarbons (Application of Isomers), Reactions of Aromatic compounds, Carbene and Nitrene.

Physical Chemistry

Stoichiometry, Chemical Kinetics, Radioactivity, Chemical Equilibrium, Thermodynamics, Thermochemistry, Ionic equilibrium (Till taught).

Inorganic Chemistry

Periodic Table, Chemical Bonding, s-Block Elements, Hydrogen, p-Block Elements, Coordination Compounds.