



VIBRANT ACADEMY (I) Pvt. Ltd.

Syllabus

PT-4 (Mains)

Date : 24-01-21

Course Googol-XIII Phase-V & VI (07 & 21 October Batch)

Physics

Unit & Dimension, Vector, Basic Maths, Kinematics, NLM, Friction, Work Energy Power, Circular Motion, Center of Mass, Rotation, KTG & Thermodynamics, Fluid Mechanics, Geometrical Optics, Electrostatics, Gravitation, Optical Instruments, SHM, Current Electricity.

Maths

Function, ITF, Limit, Conic Section, Straight Line, Circle, Matrices, Determinant, Continuity, Differentiability, P & C.

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 Properties, Chemical Bonding, Coordination Compounds, (Till taught), Environmental Chemistry, Hydrogen and its compounds, s,f-block elements and their compounds.