



VIBRANT ACADEMY (I) Pvt. Ltd.

Syllabus

PT-9/8 (Mains)

Date : 24-01-21

Course Googol-XIII Phase-I & II (06 & 27 May Batch)

Physics

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

Maths

Quadratic Equations, Compound Angle, Sequence & Series, Function, ITF, Limit, Continuity & Differentiability, Indefinite Integration, Definite Integration, AOD, P & C, Probability, Straight Line, Circle, Conic Section.

Organic Chemistry

Isomerism, GOC, Application of Isomerism, Alkyl Halide Substitution, Halogen Derivative, Grignard Reagent, Carbonyl Compound, Carbene, Nitrene, Aromatic Compounds (Till taught).

Physical Chemistry

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

Inorganic Chemistry

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