



VIBRANT ACADEMY (I) Pvt. Ltd.

Syllabus

PT-6 (Mains)

Date : 14-02-21

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, Optical Instruments, SHM, Electrostatics, Gravitation, Current Electricity, Mechanical Wave, Capacitor, Magnetic Effect of Current, EMI (Till taught).

Maths

Syllabus Covered Till Last Date.

Organic Chemistry

Isomerism, Biomolecules, G.O.C., Tautomerism, Polymers, Amino acids, Hydrocarbons (Application of Isomers), Reactions of Aromatic compounds, Carbene and Nitrene, BOC, Alkyl Halide (Till taught), Grignard Reagent & Application, Alcohol Ether Phenol.

Physical Chemistry

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

Inorganic Chemistry

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