



# **VIBRANT ACADEMY (I) Pvt. Ltd.**

## **Syllabus**

**PT-7 (Mains)**

**Date : 14-02-21**

**Course Googol-XIII Phase-III (29 July Batch)**

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### **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, Electrostatics, Geometrical Optics, Gravitation, Optical Instruments, SHM, Current Electricity, Capacitor, Magnetic Effect of Current, EMI, Mechanical Wave.

### **Maths**

Syllabus Covered Till Last Date.

### **Organic Chemistry**

Complete Syllabus.

### **Physical Chemistry**

Stoichiometry, Atomic Structure, Chemical Kinetics, Radioactivity, Thermodynamics, Thermochemistry, Chemical Equilibrium, Ionic Equilibrium, Electrochemistry.

### **Inorganic Chemistry**

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