



# VIBRANT ACADEMY (I) Pvt. Ltd.

## Syllabus

**PT-10/9/8 (Advance)**

**Date : 16-01-21 (Saturday)**

**Course Micro-XI Phase-I, II, III & IV**

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### **Physics**

Unit and Dimensions, Vector, Basic Maths, Motion in a Straight Line, Projectile, Relative Motion, Constraint Motion, NLM, Friction, Circular Motion, Work Energy Power, Center of Mass, Momentum & Collision, Rotational Dynamics, SHM, Fluids, Elasticity, Thermal Expansion, Calorimetry, Heat Transfer, KTG, Thermodynamics & Mechanical Waves.

### **Maths**

Logarithm, Compound Angle, Inequalities and Quadratic Equation, Sequence & Progression, Trigonometric Equation, Solution of triangle, Determinant, Straight Line, Circle, P & C.

### **Organic Chemistry**

IUPAC, Structural Isomerism, Inductive Effect, Resonance, Aromaticity, GOC, Reaction Mechanism.

### **Physical Chemistry**

Full Syllabus.

### **Inorganic Chemistry**

Full Syllabus.