



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

## **Syllabus**

**PT-1 (Advance)**

**Date : 07-06-20**

### **Course Mega-XII Phase-I**

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#### **Physics**

NLM & Friction, Work Energy Power & Circular Motion, Elasticity, Thermal expansion & calorimetry, Surface Tension & Viscosity, String Waves, Geometrical Optics, Optical Instrument, Wave Optics (Up to YDSE).

#### **Maths**

Permutation & Combination, Straight Line, Circle, Binomial, Function ITF, Limit, Continuity, Differentiability, Method of Differentiation, Indefinite Integration (Till taught).

#### **Organic Chemistry**

IUPAC, Isomerism, Application of Isomerism, SN2 Reaction, GOC (Till taught).

#### **Physical Chemistry**

Stoichiometry (Mole + Redox), Gaseous State, Kinetics, and Radioactivity.

#### **Inorganic Chemistry**

XI Full Syllabus, Chemical Bonding, Coordination Compounds, Classification of Ligands.



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

## **Syllabus**

**PT-1 (Advance)**

**Date : 07-06-20**

**Course Mega-XII Phase-II (B-1 Batch)**

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### **Physics**

NLM & Friction, Work Energy Power & Circular Motion, Elasticity, Thermal expansion & calorimetry, Surface Tension & Viscosity, String Waves, Geometrical Optics, Optical Instrument, Wave Optics (Up to YDSE).

### **Maths**

Limit, Continuity, Differentiability, Method of Differentiation, Indefinite Integration (Till taught).

### **Organic Chemistry**

IUPAC, Isomerism, Application of Isomerism, SN2 Reaction, GOC (Till taught).

### **Physical Chemistry**

Mole Concept, Gaseous State, Kinetics, and Radioactivity.

### **Inorganic Chemistry**

XI Full Syllabus, Chemical Bonding Complete.