

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

**JEE (Main + Advanced)**

**Vibrant All India Test Series(VAITS)-XI<sup>th</sup>**

**Syllabus**

**PT-1 (Main)**

**Date : 27-08-2023**

## **Physics**

Unit & dimension, Vector, Basic Maths.

## **Maths**

Sets, Logarithm, Compound Angle.

## **Organic Chemistry**

IUPAC.

## **Inorganic Chemistry**

Quantum Numbers, Periodic Table.

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**Syllabus**

**PT-2 (Main)**

**Date : 08-10-2023**

**Physics:**

Unit & Dimension, Vector, Basic Mathematics, Kinematics, NLM, Friction, Circular motion.

**Maths:**

Sets, Logarithm, Compound Angle, Inequalities Graphs, Quadratic Equation, Sequence & Series.

**Physical Chemistry:**

Mole Concept, Atomic Structure.

**Inorganic Chemistry:**

Quantum Number, Periodic Table, Chemical Bonding.

**Organic Chemistry:**

IUPAC.

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**Syllabus**

**PT-3 (Main)**

**Date : 05-11-2023**

**Physics:**

Unit & Dimension, Vector, Basic Mathematics, Kinematics, NLM, & Friction, Circular motion, Work Power Energy.

**Maths:**

Sets, Logarithm, Compound Angle, Inequalities Graphs, Quadratic Equation, Sequence & Series, Trigonometry Equation.

**Physical Chemistry:**

Mole Concept, Atomic Structure, Chemical Equilibrium.

**Inorganic Chemistry:**

Quantum Numbers, Periodic Table, Periodic Properties & Chemical Bonding (Basic).

**Organic Chemistry:**

IUPAC, General Organic Chemistry, Structure Isomerism, Geometrical Isomerism.

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## **Syllabus**

**PT-4 Advanced (2 Papers)**

**Date : 25-02-2024**

### **Physics:**

Unit & Dimension, Vector, Basic Mathematics, Kinematics, NLM, Friction, Circular motion, Work Power Energy, Centre of Mass, Collision, Rotation, Fluids, SHM, Elasticity, Thermal Expansion, Calorimetry, Conduction, Radiation, K.T.G. & Thermodynamics.

### **Maths:**

Logarithm, Compound Angle, Inequalities Graphs, Quadratic Equation, Sequence & Series, Trigonometry Equation, Determinant, Straight Line, Circle, P & C.

### **Organic Chemistry:**

IUPAC, Structure Isomerism, Geometrical Isomerism, Resonance, Hyper conjugation, GOC.

### **Physical Chemistry:**

Mole Concept, Atomic Structure, Chemical Equilibrium, Gaseous State, Ionic Equilibrium.

### **Inorganic Chemistry:**

Quantum Numbers, Periodic Table & Periodic Properties, Chemical Bonding (Basic).

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<b>Full Syllabus Test</b>	<b>Date</b>
<b>FST-1 (Main)</b>	<b>17-03-2024</b>
<b>FST-2 (Main)</b>	<b>14-04-2024</b>
<b>FST-3 Advanced (2 Papers)</b>	<b>28-04-2024</b>
<b>FST-4 Advanced (2 Papers)</b>	<b>05-05-2024</b>