

**FULL TEST**  
**UNIT – 1**  
**MATHEMATICS**

**SYLLABUS**

- **Trigonometry**
- **Triangle**
- **Quadratic Equation**
- **Progression**
- **Binomial Theorem**
- **Complex Number.**

**PHYSICS**

**SYLLABUS**

- **Physics & Measurement**
- **Kinematics**
- **Laws of motion**
- **Work**
- **Energy & Power**
- **Rotational Motion**
- **Gravitation.**
- **Current Electricity**

**CHEMISTRY**

**SYLLABUS**

- **Some basic concepts in chemistry**
- **States of Matter**
- **Atomic Structure**
- **Chemical Thermodynamics**
- **Chemical Equilibrium**
- **Lonic Equilibrium.**

## **UNIT - 2**

### **MATHEMATICS**

#### **SYLLABUS**

- **Point & Straight Line**
- **Circle**
- **Parabola**
- **Ellipse**
- **Hyperbola**
- **Probability Statistics**
- **Mathematical Induction.**

### **PHYSICS**

#### **SYLLABUS**

- **Properties of Solids & Liquids**
- **Thermodynamics**
- **Kinetic Theory Gases**
- **Heat**
- **Oscillation & Waves.**

### **CHEMISTRY**

#### **SYLLABUS**

- **Redox Reactions & Electrochemistry**
- **Some Basic Principles of Organic Chemistry**
- **Hydrocarbons**
- **Environmental Chemistry**
- **Hydrogen**
- **s-Block Elements.**

## UNIT – 3

### MATHEMATICS

#### SYLLABUS

- Set, Relation
- Function
- Trigonometric
- Matrices
- Limit
- Continuity
- Differentiability
- Differentiation
- Determinants.

### PHYSICS

#### SYLLABUS

- Electrostatics
- Current Electricity
- Magnetism Effects of Current & Magnetism
- Electromagnetic Induction
- Alternating Current
- Electromagnetic Waves.

### CHEMISTRY

#### SYLLABUS

- Solid State,
- Solution,
- Chemical Kinetics,
- Surface Chemistry;
- p-Block Elements Haloalkanes and Haloarenes,
- Alcohols,
- Phenols and Ethers

## **UNIT – 4**

### **MATHEMATICS**

#### **SYLLABUS**

- **Indefinite Integration**
- **Definite Integration**
- **Area**
- **Differential Equation**
- **Vector**
- **3D**
- **Permutation & Combination**
- **Statics & Probability.**

### **PHYSICS**

#### **SYLLABUS**

- **Optics**
- **Dual Nature of Matter and Radiation**
- **Atoms & Nuclei**
- **Electronic Devices**
- **Communication System.**

### **CHEMISTRY**

#### **SYLLABUS**

- **Aldehydes**
- **Ketones and Carboxylic Acids**
- **Amines**
- **Biomolecules**
- **Polymers**
- **Chemistry in Everyday life**
- **d & f-Block Elements**
- **Coordination Compounds.**

