

PART TEST-3

PATTERN - AIIMS

BOTANY

SYLLABUS

- Living world
- Biological Classification
- Plant Kingdom
- Morphology of Flowering Plants
- Anatomy of Flowering Plants
- The Cell :
(a)The Unit of Life
- (b)The Cell Cycle and Cell Division
- Transport in Plants
- Mineral Nutrition
- Photosynthesis in Plants
- Respiration in Plants
- Plant Growth & Development.

ZOOLOGY

SYLLABUS

- Animal Kingdom
(b) General account and Non chordates
Incl. Protozoa
(b) General account and Chordates
- Animal Morphology
- Animal tissues
- Biomolecules
- Digestion and Absorption
- Breathing and Exchange of Gases
- Body fluids and Circulation
- Excretory products and their Elimination
- Locomotion and Movement
- Chemical Coordination and Integration
- Neural Control and Coordination.

PHYSICS

SYLLABUS

- Mathematical Tools
- Physical World
- Units and Measurement
- Motion in a Straight Line
- Motion in a Plane
- Laws of Motion (including Circular Motion)
- Work
- Energy & Power
- System of Particles and Rotational Motion
- Gravitation
- Thermal properties of matter
- Thermodynamics

- KTG
- Heat
- Oscillation & Waves.

CHEMISTRY

SYLLABUS

- **Some basic Concepts of Chemistry**
- **Structure of Atom**
- **Classification of Elements and Periodicity in properties**
- **Chemical Bonding and Molecular Structure**
- **States of Matter**
- **Gases & Liquids**
- **Thermodynamics**
- **Chemical Equilibrium**
- **Ionic Equilibrium**
- **Redox Reactions & Electrochemistry**
- **Organic Chemistry - (Some Basic Principles & Techniques)**
- **Hydrocarbons**
- **Environmental Chemistry**
- **Hydrogen**
- **s-Block Elements.**