

PART TEST-6
PATTERN - AIIMS
BOTANY

SYLLABUS

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| <ul style="list-style-type: none">• Reproduction organisms• Sexual reproduction in flowering plants• Principles of Inheritance and variation• Molecular Basis of Inheritance• Strategies for Enhancement in Food Production (Plant Breeding, Single Cell proteins, Tissue Culture) | <ul style="list-style-type: none">• Microbes in Human Welfare• Organisms and Populations• Ecosystem, Biodiversity and Conservation• Environmental Issues. |
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ZOOLOGY

SYLLABUS

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| <ul style="list-style-type: none">• Reproductive system• Embryo development• Pregnancy and parturition• Reproductive health – birth control• Contraception and Sexually transmitted diseases• Evolution• Human Health & Disease | <ul style="list-style-type: none">(a) Basic Concept of Immunology, Vaccines. Pathogens, Parasites(b) Cancer and AIDS,• Adolescence and drug/alcohol abuse;• Strategies for Enhancement in Food Production - Animal Husbandry,• Biotechnology - Principles and Processes,• Biotechnology and its Applications. |
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PHYSICS

SYLLABUS

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| <ul style="list-style-type: none">• Electric Charges and Field• Electrostatics Potential and Capacitance• Current Electricity• Moving Charges and Magnetism• Magnetism and Matter | <ul style="list-style-type: none">• Electromagnetic Induction• Alternating Current• Electromagnetic Waves• Semiconductor• Ray Optics and Optical Instruments |
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- **Dual Nature of Radiation and Matter**
- **Atoms**
- **Nuclei**
- **Semi-Conductor**
- **Electronics.**

CHEMISTRY

SYLLABUS

- **Solid State**
- **Solution**
- **Chemical Kinetics**
- **Surface Chemistry**
- **p-Block Elements Haloalkanes and Haloarenes**
- **Alcohols**
- **Phenols and Ethers**
- **Aldehydes**
- **Ketones and Carboxylic Acids**
- **Amines**
- **Biomolecules**
- **Polymers**
- **Chemistry in Everyday life**
- **d & f-Block Elements**
- **Coordination Compounds.**