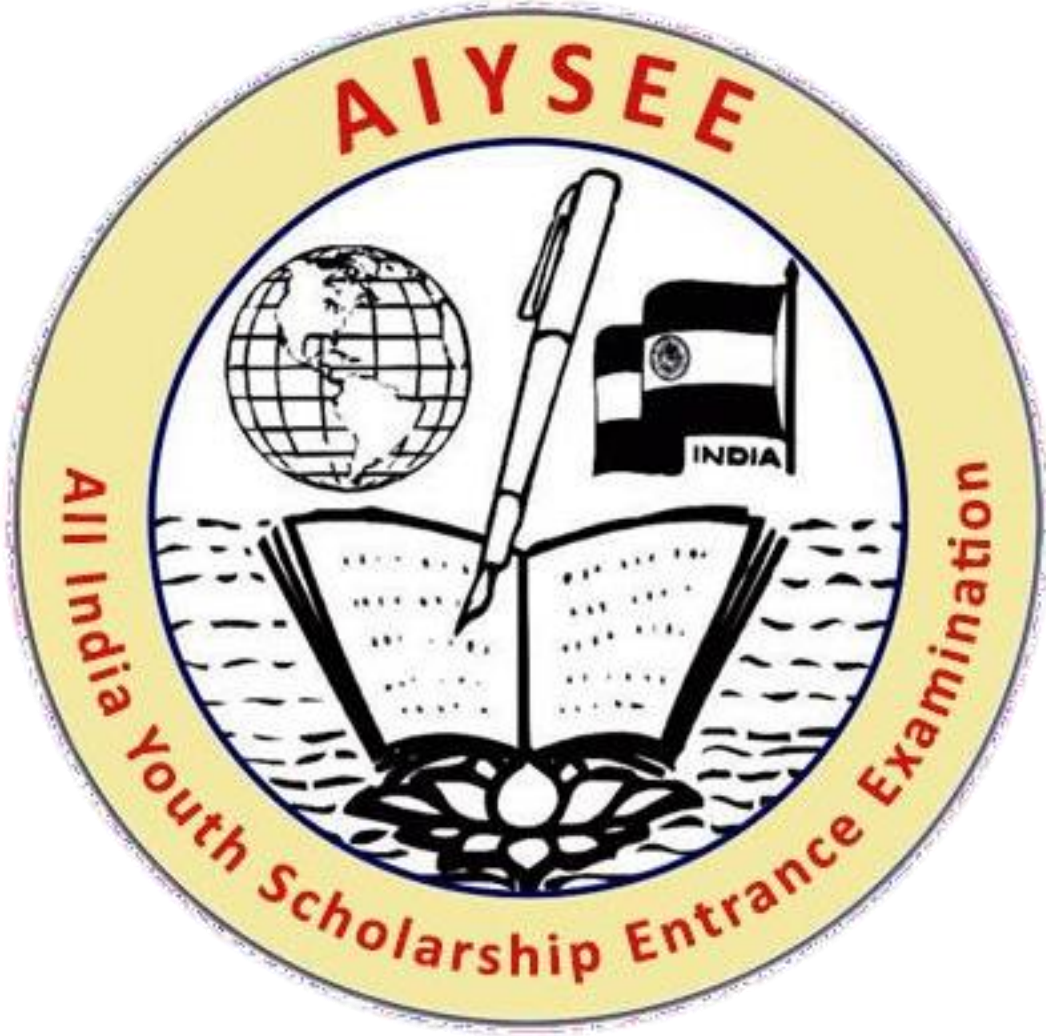




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AIYSEE MEDICAL SYLLABUS

PHYSICS

Class 11

1. Physical World and Measurement
2. Kinematics
3. Laws of Motion
4. Work, Energy, and Power
5. Motion of System of Particles and Rigid Body
6. Gravitation
7. Properties of Bulk Matter
8. Thermodynamics
9. Behaviour of Perfect Gas and Kinetic Theory
10. Oscillations and Waves

Class 12

1. Electrostatics
2. Current Electricity
3. Magnetic Effects of Current and Magnetism
4. Electromagnetic Induction and Alternating Currents
5. Electromagnetic Waves
6. Optics
7. Dual Nature of Radiation and Matter
8. Atoms and Nuclei
9. Electronic Devices

CHEMISTRY

Class 11

1. Some Basic Concepts of Chemistry
2. Structure of Atom
3. Classification of Elements and Periodicity in Properties
4. Chemical Bonding and Molecular Structure



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5. States of Matter: Gases and Liquids
6. Thermodynamics
7. Equilibrium
8. Redox Reactions
9. Hydrogen
10. The s-Block Element (Alkali and Alkaline Earth Metals)
11. The p-Block Element (Group 13–18 Overview)
12. Organic Chemistry – Some Basic Principles and Techniques
13. Hydrocarbons
14. Environmental Chemistry

Class 12

1. Solid State
2. Solutions
3. Electrochemistry
4. Chemical Kinetics
5. Surface Chemistry
6. General Principles and Processes of Isolation of Elements
7. The p-Block Elements (Groups 15–18)
8. The d- and f-Block Elements
9. Coordination Compounds
10. Haloalkanes and Haloarenes
11. Alcohols, Phenols, and Ethers
12. Aldehydes, Ketones, and Carboxylic Acids
13. Organic Compounds Containing Nitrogen
14. Biomolecules
15. Polymers
16. Chemistry in Everyday Life

BIOLOGY

Class 11

1. Diversity in the Living World
2. Structural Organisation in Animals and Plants



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3. Cell Structure and Function
4. Plant Physiology
5. Human Physiology

Class 12

1. Reproduction
 2. Genetics and Evolution
 3. Biology and Human Welfare
 4. Biotechnology and Its Applications
 5. Ecology and Environment
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