**Syllabus for Physics**

**Syllabus for Class XI and XII Physics**on the basis of NEET syllabus.

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| **Sr No.** | **Class XI** | **Class XII** |
| 1 | Physical world and measurement | Electrostatics |
| 2 | Kinematics | Current Electricity |
| 3 | Laws of Motion | Magnetic Effects of Current and Magnetism |
| 4 | Work, Energy and Power | Electromagnetic Induction and Alternating Currents |
| 5 | Motion of System of Particles and Rigid Body | Electromagnetic Waves |
| 6 | Gravitation | Optics |
| 7 | Properties of Bulk Matter | Dual Nature of Matter and Radiation |
| 8 | Thermodynamics | Atoms and Nuclei |
| 9 | Behaviour of Perfect Gas and Kinetic Theory | Electronic Devices |
| 10 | Oscillations and Waves | – |

**Syllabus for Chemistry**

**Syllabus for Physics Class XI and XII Chemistry** on the basis of NEET syllabus.

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| **Sr. No.** | **Class XI** | **Class XII** |
| 1 | Some Basic Concepts of Chemistry | Solid State |
| 2 | Structure of Atom | Solutions |
| 3 | Classification of Elements and Periodicity in Properties | Electrochemistry |
| 4 | Chemical Bonding and Molecular Structure | Chemical Kinetics |
| 5 | States of Matter: Gases and Liquids | Surface Chemistry |
| 6 | Thermodynamics | General Principles and Processes of Isolation of Elements |
| 7 | Equilibrium | p- Block Elements |
| 8 | Redox Reactions | d and f Block Elements |
| 9 | Hydrogen | Coordination Compounds |
| 10 | s-Block Element (Alkali and Alkaline earth metals) | Haloalkanes and Haloarenes |
| 11 | Some p-Block Elements | Alcohols, Phenols and Ethers |
| 12 | Organic Chemistry- Some Basic Principles and Techniques | Aldehydes, Ketones and Carboxylic Acids |
| 13 | Hydrocarbons | Organic Compounds Containing Nitrogen |
| 14 | Environmental Chemistry | Biomolecules |
| 15 |  | Polymers |
| 16 |  | Chemistry in Everyday Life |

**Syllabus 2019 for Biology**

**Syllabus for Biology class XI and XII Biology** on the basis of NEET syllabus.

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| --- | --- | --- |
| **Sr No.** | **Class XI** | **Class XII** |
| 1 | Diversity in Living World | Reproduction |
| 2 | Structural Organisation in Animals and Plants | Genetics and Evolution |
| 3 | Cell Structure and Function | Biology and Human Welfare |
| 4 | Plant Physiology | Biotechnology and Its Applications |
| 5 | Human physiology | Ecology and environment |

**Syllabus for General Knowledge**

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| **Sr. No.** | **Topics** |
| 1. | Current Affairs |
| 2. | History and Geography |
| 3. | Business |
| 4. | Books and Authors |
| 5. | Awards and Prizes |
| 6. | Polity |
| 7. | Science |
| 8. | Nobel Laureates |

**Syllabus for Aptitude & Logical Thinking**

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| --- | --- |
| **Sr. No.** | **Topics** |
| 1. | Coding and Decoding |
| 2. | Figure |
| 3. | Venn Diagrams |
| 4. | Mirror Images |
| 5. | Ode One Out |
| 6. | Clock Concepts |
| 7. | Analogy |
| 8. | Blood Relations |

**AIIMS 2019 Exam Pattern**

Following is the exam pattern of the AIIMS 2019 Examination. There are 5 sections in the examination, Physics, Chemistry, Biology which includes Botany and Zoology, General Knowledge and Aptitude and logical thinking. There will be a total of 200 questions in the question paper.

* **Mode of examination:**Online (Computer-based)
* **Duration of the exam:**3½ hours
* **Type of questions:**MCQ and Reason-Assertion-type
* **Number of Questions:**140 MCQ type and 60 Assertion-type
* **Language of the question paper:**English/ Hindi
* **Standard of the examination:**As per Class 12th

|  |  |
| --- | --- |
| **Subject** | **Number of Questions** |
| Physics | 60 |
| Chemistry | 60 |
| Biology (Botany & Zoology) | 60 |
| General Knowledge | 10 |
| Aptitude & Logical Thinking | 10 |
| **Total** | **200** |