

## SYLLABUS UPDATES FOR **NEET(UG) 2024** - PHYSICS

### **PHYSICS Syllabus XI Class**

Unit : **01** - PHYSICS AND MEASUREMENT

Unit : **02** - KINEMATICS

Unit : **03** - LAWS OF MOTION

Unit : **04** - WORK, ENERGY, AND POWER

Unit : **05** - ROTATIONAL MOTION

Unit : **06** - GRAVITATION

Unit : **07** - PROPERTIES OF SOLIDS AND LIQUIDS

Unit : **08** - THERMODYNAMICS

Unit : **09** - KINETIC THEORY OF GASES

Unit : **10** - OSCILLATIONS AND WAVES

## SYLLABUS UPDATES FOR **NEET(UG) 2024** - PHYSICS

### **PHYSICS Syllabus XII Class**

Unit : **11** - ELECTROSTATICS

Unit : **12** - CURRENT ELECTRICITY

Unit : **13** - MAGNETIC EFFECTS OF CURRENT AND MAGNETISM

Unit : **14** - ELECTROMAGNETIC INDUCTION AND  
ALTERNATING CURRENTS

Unit : **15** - ELECTROMAGNETIC WAVES

Unit : **16** - OPTICS

Unit : **17** - DUAL NATURE OF MATTER AND RADIATION

Unit : **18** - ATOMS AND NUCLEI

Unit : **19** - ELECTRONIC DEVICES

### **EXPERIMENTAL SKILLS FOR XI AND XII CLASS**

Unit : **20** - EXPERIMENTAL SKILLS

## SYLLABUS UPDATES FOR **NEET(UG) 2024** - PHYSICS

### Physics Syllabus XI Class

Unit	DELETED PORTION	NEWLY ADDED PORTION
<b>01</b> PHYSICS AND MEASUREMENT	<ul style="list-style-type: none"><li>• Scope and excitement; nature of physical laws. Physics, technology and society.</li><li>• Accuracy and precision of measuring instruments.</li></ul>	--
<b>02</b> KINEMATICS	<ul style="list-style-type: none"><li>• Elementary concepts of differentiation and integration for describing motion.</li></ul>	--

## SYLLABUS UPDATES FOR NEET(UG) 2024 - PHYSICS

### Physics Syllabus XI Class

Unit	DELETED PORTION	NEWLY ADDED PORTION
<b>03</b> LAWS OF MOTION	--	--
<b>04</b> WORK, ENERGY, AND POWER	--	--
<b>05</b> ROTATIONAL MOTION	<ul style="list-style-type: none"> <li>Momentum conservation and centre of mass motion</li> </ul>	--

## SYLLABUS UPDATES FOR NEET(UG) 2024 - PHYSICS

### Physics Syllabus XI Class

Unit	DELETED PORTION	NEWLY ADDED PORTION
<b>06</b> GRAVITATION	<ul style="list-style-type: none"> <li>• Geostationary satellites.</li> </ul>	--
<b>07</b> PROPERTIES OF SOLIDS AND LIQUIDS	<ul style="list-style-type: none"> <li>• Poisson's ratio; elastic energy.</li> <li>• Reynold's number</li> <li>• Anomalous expansion</li> <li>• Qualitative ideas of Black body Radiation. Wein's displacement law and green house effect.</li> <li>• Newton's law of cooling and Stefan's law</li> </ul>	--

## SYLLABUS UPDATES FOR **NEET(UG) 2024** - PHYSICS

### Physics Syllabus XI Class

Unit	DELETED PORTION	NEWLY ADDED PORTION
<b>08</b> THERMODYNAMICS	<ul style="list-style-type: none"> <li>Heat engines and refrigerators.</li> </ul>	--
<b>09</b> KINETIC THEORY OF GASES	--	--
<b>10</b> OSCILLATIONS AND WAVES	<ul style="list-style-type: none"> <li>Free, forced and damped oscillations (qualitative ideas only), Resonance</li> <li>Doppler effect.</li> </ul>	--

## SYLLABUS UPDATES FOR **NEET(UG) 2024** - PHYSICS

### Physics Syllabus XII Class

Unit	DELETED PORTION	NEWLY ADDED PORTION
<b>11</b> ELECTROSTATICS	<ul style="list-style-type: none"> <li>• Van de Graaff generator.</li> </ul>	--
<b>12</b> CURRENT ELECTRICITY	<ul style="list-style-type: none"> <li>• Carbon resistors, colour code for carbon resistors</li> <li>• Potentiometer-principle and applications to measure potential difference and for comparing emf of two cells; measurement of internal resistance of a cell.</li> </ul>	--

## SYLLABUS UPDATES FOR NEET(UG) 2024 - PHYSICS

### Physics Syllabus XII Class

Unit	DELETED PORTION	NEWLY ADDED PORTION
<b>13</b> MAGNETIC EFFECTS OF CURRENT AND MAGNETISM	<ul style="list-style-type: none"> <li>Oersted's experiment</li> <li>Cyclotron</li> <li>Magnetic dipole moment of a revolving electron</li> <li>Earth's magnetic field and its elements.</li> <li>Electromagnetic and factors affecting their strengths. Permanent magnets.</li> </ul>	--
<b>14</b> ELECTROMAGNETIC INDUCTION AND ALTERNATING CURRENTS	<ul style="list-style-type: none"> <li>LC oscillations</li> </ul>	--



## SYLLABUS UPDATES FOR **NEET(UG) 2024** - PHYSICS

### Physics Syllabus XII Class

Unit	DELETED PORTION	NEWLY ADDED PORTION
<b>15</b> ELECTROMAGNETIC WAVES	--	--
<b>16</b> OPTICS	<ul style="list-style-type: none"> <li>• Combination of lens and mirror</li> <li>• Dispersion of light through a prism.</li> <li>• Scattering of light-blue colour of the sky and reddish appearance of the sun at sunrise and sunset.</li> <li>• Human eye, image formation and accommodation, correction of eye defects (myopia and hypermetropia) using lenses.</li> <li>• Resolving power of microscopes and astronomical telescopes.</li> </ul>	--

## SYLLABUS UPDATES FOR **NEET(UG) 2024** - PHYSICS

### Physics Syllabus XII Class

Unit	DELETED PORTION	NEWLY ADDED PORTION
<b>17</b> DUAL NATURE OF MATTER AND RADIATION	<ul style="list-style-type: none"> <li>• Davisson-Germer experiment</li> </ul>	--
<b>18</b> ATOMS AND NUCLEI	<ul style="list-style-type: none"> <li>• Radioactivity-alpha, beta and gamma particles/ rays and their properties decay law.</li> </ul>	--

## SYLLABUS UPDATES FOR **NEET(UG) 2024** - PHYSICS

### Physics Syllabus XII Class

Unit	DELETED PORTION	NEWLY ADDED PORTION
<b>19</b> ELECTRONIC DEVICES	<ul style="list-style-type: none"><li>• Energy bands</li><li>• Junction transistor, transistor action, characteristics of a transistor; transistor as an amplifier (common emitter configuration) and oscillator. transistor as a switch</li></ul>	--

## SYLLABUS UPDATES FOR **NEET(UG) 2024** - PHYSICS

### Physics Syllabus XI Class

Unit	NEWLY ADDED PORTION
<b>20</b> <b>EXPERIMENTAL</b> <b>SKILLS</b>	<ul style="list-style-type: none"><li>• Familiarity with the basic approach and observations of the experiments and activities:<ol style="list-style-type: none"><li>1. Vernier callipers - its use to measure the internal and external diameter and depth of a vessel</li><li>2. Screw gauge - its use to determine thickness/diameter of thin sheet/wire</li><li>3. Simple pendulum-dissipation of energy by plotting a graph between the square of amplitude and time.</li><li>4. Metre Scale - the mass of a given object by the principle of moments</li><li>5. Young's modulus of elasticity of the material of a metallic wire.</li></ol></li></ul>

## SYLLABUS UPDATES FOR **NEET(UG) 2024** - PHYSICS

### Physics Syllabus XI Class

<p><b>20</b> <b>EXPERIMENTAL</b> <b>SKILLS</b></p>	<ol style="list-style-type: none"><li>6. Surface tension of water by capillary rise and effect of detergents,</li><li>7. Co-efficient of Viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body,</li><li>8. Speed of sound in air at room temperature using a resonance tube,</li><li>9. Specific heat capacity of a given (i) solid and (ii) liquid by method of mixtures.</li></ol>
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## SYLLABUS UPDATES FOR **NEET(UG) 2024** - PHYSICS

### Physics Syllabus XII Class

**20**  
**EXPERIMENTAL**  
**SKILLS**

10. The resistivity of the material of a given wire using a metre bridge
11. The resistance of a given wire using Ohm's law.
12. Resistance and figure of merit of a galvanometer by half deflection method.
13. The focal length of;
  - (i) Convex mirror
  - (ii) Concave mirror, and
  - (iii) Convex lens, using the parallax method.
14. The plot of the angle of deviation vs angle of incidence for a triangular prism.

## SYLLABUS UPDATES FOR **NEET(UG) 2024** - PHYSICS

### Physics Syllabus XII Class

<p><b>20</b> <b>EXPERIMENTAL</b> <b>SKILLS</b></p>	<p>15. Refractive index of a glass slab using a travelling microscope.</p> <p>16. Characteristic curves of a p-n junction diode in forward and reverse bias.</p> <p>17. Characteristic curves of a Zener diode and finding reverse break down voltage.</p> <p>18. Identification of Diode. LED,. Resistor. A capacitor from a mixed collection of such items</p>
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## PHYSICAL CHEMISTRY

CHAPTER	DELETED PORTION	NEWLY ADDED PORTION
Some basic concepts of chemistry	-	-
Atomic Structure	-	<ul style="list-style-type: none"><li>Elementary ideas of quantum mechanics, Concept of atomic orbitals as one electron Variation of <math>\psi</math> and <math>\psi^2</math> with r for 1s and 2s orbitals</li></ul>



## PHYSICAL CHEMISTRY

CHAPTER	DELETED PORTION	NEWLY ADDED PORTION
Equilibrium	-	-
Chemical Thermodynamics	<ul style="list-style-type: none"><li>• Enthalpy of dilution</li><li>• Third law of thermodynamics</li></ul>	-
States of matter	<ul style="list-style-type: none"><li>• Complete chapter is deleted</li></ul>	

## PHYSICAL CHEMISTRY

CHAPTER	DELETED PORTION	NEWLY ADDED PORTION
Solid state	<ul style="list-style-type: none"><li>• Complete chapter is deleted</li></ul>	
Chemical Kinetics	-	-
Solutions	-	<ul style="list-style-type: none"><li>• Significance of Van't Hoff factor</li></ul>
Redox reactions and Electrochemistry	Corrosion	-
Surface Chemistry	<ul style="list-style-type: none"><li>• Complete chapter is deleted</li></ul>	

## PHYSICAL CHEMISTRY

CHAPTER	NEWLY ADDED PORTION
Practical chemistry	<ul style="list-style-type: none"><li>• The chemistry involved in the titrimetric exercises—Acids, bases and the use of indicators, oxalic acid vs <math>\text{KMnO}_4</math>, Mohr's salt vs <math>\text{KMnO}_4</math></li><li>• Chemical principles involved in the following experiments:<ul style="list-style-type: none"><li>• Enthalpy of solution of <math>\text{CuSO}_4</math></li><li>• Enthalpy of neutralization of strong acid and strong base.</li><li>• Preparation of lyophilic and lyophobic sols.</li><li>• Kinetic study of the reaction of iodide ions with hydrogen peroxide at room temperature.</li></ul></li></ul>

## INORGANIC CHEMISTRY

CHAPTER	DELETED PORTION	NEWLY ADDED PORTION
Classification of elements and periodicity in properties	-	-
Chemical bonding and molecular structure	-	-

**INORGANIC CHEMISTRY**

CHAPTER	DELETED PORTION	NEWLY ADDED PORTION
s-block elements	<ul style="list-style-type: none"><li>• Completed chapter is deleted</li></ul>	
p-block elements	<ul style="list-style-type: none"><li>• Compounds of p-block</li><li>• Method of preparation</li><li>• Properties and their uses</li></ul>	-
d and f block elements	-	-

## INORGANIC CHEMISTRY

CHAPTER	DELETED PORTION	NEWLY ADDED PORTION
Co-ordination compounds	-	-
Metallurgy	<ul style="list-style-type: none"><li>• Complete chapter is deleted</li></ul>	
Hydrogen	<ul style="list-style-type: none"><li>• Complete chapter is deleted</li></ul>	

## INORGANIC CHEMISTRY

CHAPTER	NEWLY ADDED PORTION
Practical chemistry	<ul style="list-style-type: none"><li>• The chemistry involved in the preparation of the following.</li><li>• Inorganic compound; Mohr's salt, potash alum.</li><li>• Chemical properties involved in the qualitative salt analysis;</li><li>• Cation – <math>\text{Pb}^{2+}</math>, <math>\text{Cu}^{2+}</math>, <math>\text{Al}^{3+}</math>, <math>\text{Fe}^{3+}</math>, <math>\text{Zn}^{2+}</math>, <math>\text{Ni}^{2+}</math>, <math>\text{Ca}^{2+}</math>, <math>\text{Ba}^{2+}</math>, <math>\text{Mg}^{2+}</math>, <math>\text{NH}_4^+</math></li><li>• Anions – <math>\text{CO}_3^{2-}</math>, <math>\text{S}^{2-}</math>, <math>\text{SO}_4^{2-}</math>, <math>\text{NO}_3^-</math>, <math>\text{Cl}^-</math>, <math>\text{Br}^-</math>, <math>\text{I}^-</math> (Insoluble salt excluded)</li></ul>

**ORGANIC CHEMISTRY**

CHAPTER	DELETED PORTION	NEWLY ADDED PORTION
Some Basic principles of organic chemistry	-	-
Hydrocarbon	-	-
Organic compounds containing halogens	-	-
Organic compounds containing Oxygen	-	-



## ORGANIC CHEMISTRY

CHAPTER	DELETED PORTION	NEWLY ADDED PORTION
Organic compounds containing Nitrogen	-	-
Biomolecules	-	-
Purification and characterisation of organic compounds	-	-

## ORGANIC CHEMISTRY

CHAPTER	DELETED PORTION	NEWLY ADDED PORTION
Environmental Chemistry	<ul style="list-style-type: none"><li>• Complete chapter is deleted</li></ul>	
Polymers	<ul style="list-style-type: none"><li>• Complete chapter is deleted</li></ul>	
Chemistry in everyday life	<ul style="list-style-type: none"><li>• Complete chapter is deleted</li></ul>	

## ORGANIC CHEMISTRY

CHAPTER	NEWLY ADDED PORTION
<b>Practical chemistry</b>	<ul style="list-style-type: none"><li>• Detection of extra elements (Nitrogen, Sulphur, halogens) in organic compounds; Detection of the following functional groups; hydroxyl (alcoholic and phenolic), carbonyl (aldehyde and ketones) carboxyl, and amino groups in organic compounds.</li></ul>

# **SYLLABUS FOR NEET(UG) 2024 BIOLOGY**

## **XI CLASS - SYLLABUS**

Unit :- 01 – Diversity in Living World

Unit :- 02 – Structural Organisation in animals  
and plants Unit : 03 - Cell Structure and Function

Unit :- 04 - Plant Physiology

Unit :- 05 - Human Physiology

## **XII CLASS - SYLLABUS**

Unit :- 06 – Reproduction

Unit :- 07 – Genetics and Evolution

Unit :- 08 - Biology and Human welfare

Unit :- 09 - Biotechnology and Its Applications

Unit :- 10 - Ecology and Environment

<b>CHAPTER</b>	<b>DELETED PORTION</b>	<b>NEWLY ADDED PORTION</b>
Diversity in Living World	Three domains of life; Tools for study of Taxonomy-Museum, Zoos, Herbaria, Botanical gardens. Angiosperms classification up to class, characteristic features and examples.	No Change
Structural Organisation in animals and plants	Cockroach	Family (malvaceae, cruciferae, leguminosae, compositae, gramineae) Insect (Frog)
Cell Structure and Function	No Change	No Change
Plant Physiology	Transport in Plants. Mineral nutrition. Plant Growth and Development : Vernalisation; Photoperiodism	No Change
Human Physiology	Digestion and Absorption	No Change
Reproduction	Reproduction in Organisms	No Change
Genetics and Evolution	No Change	No Change
Biology and Human welfare	Improvement in food production	Health and Diseases : (dengue, chikungunya), Tobacco abuse
Biotechnology and Its Applications	No Change	No Change

**Ecology and Environment**

**Organisms and environment: Habitat and niche; Population and ecological adaptations.  
Ecosystem : Nutrient cycling (Carbon and phosphorous);  
Ecological succession;  
Ecological services- Carbon fixation, Pollination, Oxygen release  
Environmental Issues.**

**No Change**