

### SYLLABUS UPDATES FOR NEET(UG) 2024

#### PHYSICS\_Class-XI

Sr. No.	Chapter Name	Added Portion	Deleted Portion
1	Physical World	-	Scope and excitement; nature of physical laws. Physics, technology and society
2	Units & Measurements	Least Count	Length, mass, and time measurements, Accuracy and precision of measuring instruments.
3	Motion in a Straight Line	-	Graphical treatment of uniformly accelerated motion Elementary concepts of differentiation and integration for describing motion Position and displacement vectors, general vectors, general vectors and notation, equality of vectors, multiplication of vectors by a real number
4	Motion in a Plane	-	-
5	Laws of Motion	-	Lubrication
6	Work, Energy and Power	-	-
7	System of Particles and Rotational Motion	Basic Concept of Rotational Motion	Momentum conservation, and centre of mass motion, centre of mass of uniform rod.
8	Gravitation	Motion of a satellite, time period and energy of a satellite	Geostationary satellites.
9	Mechanical Properties of Solids	-	Shear, modulus of rigidity, Poisson's ratio; elastic energy
10	Mechanical Properties of Fluids	Pressure due to fluid column, Pascals law and its application. Effect of gravity on fluid pressure	Reynold's number,
11	Thermal Properties of Matter	-	Anomalous Expansion, Thermal conductivity, Green House effect.
12	Thermodynamics	-	Heat engines and refrigerators.
13	Kinetic Theory	RMS speed of gas molecules, Avogadro's number	-
14	Oscillations	-	free, forced and damped oscillations (qualitative ideas only), resonance.
15	Waves	-	Doppler effect.

## PHYSICS\_Class-XII

Sr.No.	Chapter Name	Added Portion	Deleted Portion
1	Electric Charges and Fields	-	-
2	Electrostatics Potential and Capacitance	-	free charges and bound charges inside a conductor, Van de Graaff generator.
3	Current Electricity	-	the flow of electric charges in a metallic conductor, Carbon resistors, color code for carbon resistors, Potentiometer-principle and applications to measure potential difference, and for comparing emf of two cells; measurement of internal resistance of a cell.
4	Moving Charges & Magnetism	-	Concept of magnetic field, Oersted's experiment, toroidal, Cyclotron.
5	Magnetism and Matter	-	Earth's magnetic field and magnetic elements, Permanent magnets.
6	Electromagnetic Induction	-	-
7	Alternating Current	-	LC oscillations (qualitative treatment only)
8	Electromagnetic Waves	-	-
9	Ray Optics and Optical Instruments	-	Scattering of light- blue colour of the sky and reddish appearance of the sun at sunrise and sunset, Human eye, image formation and accommodation, correction of eye defects (myopia and hypermetropia) using lenses.
10	Wave Optics	-	Proof of laws of reflection and refraction using Huygens' principle., Resolving power of microscopes and astronomical telescopes.
11	Dual Nature of Radiation and Matter	-	Davisson-Germer experiment (experimental details should be omitted; only conclusion should be explained).
12	Atoms	-	-
13	Nuclei	-	Isotopes, isobars; isotones, Radioactivity- alpha, beta and gamma particles/ rays and their properties decay law
14	Semiconductor Electronics	-	Energy bands in solids (qualitative ideas only), conductors, insulators, Junction transistor, transistor action, characteristics of a transistor; transistor as an amplifier (common emitter configuration) and oscillator, Transistor as a switch.



# NEW STATE ACADEMY

NEET | IIT-JEE | OLYMPIAD | STSE

## SYLLABUS UPDATES FOR NEET(UG) 2024

### CHEMISTRY\_Class XI

Sr.No.	Chapter Name	Added Portion	Deleted Portion
1	Some Basic Concepts of Chemistry	-	-
2	Structure of Atom	-	-
3	Classification of Elements and Periodicity in Properties	-	-
4	Chemical Bonding and Molecular Structure	-	-
5	States of Matter	-	<b>Deleted</b>
6	Thermodynamics	-	Third law of thermodynamics- Brief introduction.
7	Equilibrium	-	-
8	Redox Reactions	-	-
9	Hydrogen	-	<b>Deleted</b>
10	The s-Block Elements	-	<b>Deleted</b>
11	The p-Block Elements (Group-13 & 14)	-	-
12	Organic Chemistry - Some Basic Principles and Techniques	-	-
13	Hydrocarbons	-	-
14	Environmental Chemistry	-	<b>Deleted</b>

## CHEMISTRY\_Class XII

Sr.No.	Chapter Name	Added Portion	Deleted Portion
1	The Solid State	-	<b>Deleted</b>
2	Solution	-	-
3	Electrochemistry	-	-
4	Chemical Kinetics	-	-
5	Surface Chemistry	-	<b>Deleted</b>
6	General Principles & Processes of Isolation of Elements	-	<b>Deleted</b>
7	The p-Block Elements (Group-15 to 18)	-	-
8	The d & f-Block Elements	-	-
9	Coordination Compounds	-	-
10	Haloalkanes and Haloarenes	-	-
11	Alcohols, Phenols and Ethers	-	Nomenclature, methods of preparation, physical and chemical properties uses of Ethers
12	Aldehydes, Ketones and Carboxylic Acids	-	-
13	Amines	-	<i>Cyanides and Isocyanides</i> - will be mentioned at relevant places, <i>Diazonium salts</i> : Preparation, chemical reactions
14	Biomolecules	-	-
15	Polymers	-	<b>Deleted</b>
16	Chemistry in Everyday life	-	<b>Deleted</b>
17	*Principles Related to Practical Chemistry	New Chapter Added	-

\*Principles Related to Practical Chemistry: This chapter has been introduced in NEET-2024 Syllabus.



## SYLLABUS UPDATES FOR NEET(UG) 2024

### BOTANY\_Class XI

Sr.No.	Chapter Name	Added Portion	Deleted Portion
1	Cell : The Unit of Life	-	-
2	Cell Cycle and Cell Division	-	-
3	The Living World	-	Tools for study of Taxonomy – Museums, Zoos, Herbaria, Botanical gardens.
4	Biological Classification	-	-
5	Morphology of Flowering Plants	(Malvaceae, Cruciferae, leguminoceae, compositae, gramineae)	-
6	Anatomy of Flowering Plants	-	-
7	Plant Kingdom	-	Angiosperms classification up to class, characteristic features and examples.
8	Transport in Plants	-	<b>Deleted</b>
9	Mineral Nutrition	-	<b>Deleted</b>
10	Photosynthesis in Higher Plants	-	-
11	Respiration in Plants	-	-
12	Plant Growth and Development	-	Seed dormancy; Vernalisation; Photoperiodism.

## BOTANY\_Class XII

Sr.No.	Chapter Name	Added Portion	Deleted Portion
1	Reproduction in Organisms		<b>Deleted</b>
2	Sexual Reproduction in Flowering Plants	-	-
3	Principles of Inheritance and Variation	-	-
4	Molecular Basis of Inheritance	-	-
5	Strategies for Enhancement in Food Production	-	<b>Deleted</b>
6	Microbes in Human Welfare	-	-
7	Organisms and Populations	-	Habitat and niche; Population and ecological adaptations;
8	Ecosystem	-	Nutrient cycling (carbon and phosphorous); Ecological succession; Ecological Services-Carbon fixation, pollination, oxygen release.
9	Biodiversity and Conservation	Sacred groves	-
10	Environmental Issues	-	<b>Deleted</b>



## SYLLABUS UPDATES FOR NEET(UG) 2024

### ZOOLOGY\_Class-XI

Sr. No.	Chapter Name	Added Portion	Deleted Portion
1	Structural Organization in animals - Animal Tissues	-	-
2	Biomolecules	-	-
3	Digestion and Absorption	-	Deleted
4	Breathing and Exchange of Gases	-	-
5	Body Fluids and Circulation	-	-
6	Excretory Products and their Elimination	-	-
7	Locomotion and Movement	-	-
8	Neural Control and Coordination	-	Reflex Action and Sense Organs
9	Chemical Coordination and Integration	-	-
10	Animal Kingdom (General Account & Non-Chordates)	-	-
11	Animal Kingdom (General Account & Chordates)	-	-
12	Structural Organization in animals - Animal Morphology	Frog	-

## ZOOLOGY\_Class-XII

Sr. No.	Chapter Name	Added Portion	Deleted Portion
1	Reproduction in Organisms	-	Deleted
2	Human Reproduction	-	-
3	Reproductive Health	-	-
4	Evolution	-	-
5	Human Health & Diseases	-	-
6	Strategies for Enhancement in Food Production - Animal Husbandry	-	Deleted
7	Biotechnology - Principles and Processes	-	-
8	Biotechnology and its Applications	-	-

