

Syllabus Updates for **NEET(UG) 2024**

PHYSICS

SYLLABUS 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 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 FOR NEET(UG) 2024 - PHYSICS



Physics Syllabus XI Class

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

SYLLABUS FOR NEET(UG) 2024 - PHYSICS



Physics Syllabus XI Class

| CHAPTER | DELETED PORTION | NEWLY ADDED PORTION |
|--|---|---------------------|
| 03 LAWS OF MOTION | -- | -- |
| 04 WORK, ENERGY AND POWER | -- | -- |
| 05 ROTATIONAL MOTION | <ul style="list-style-type: none">• Momentum conservation and center of mass motion | -- |

SYLLABUS FOR NEET(UG) 2024 - PHYSICS



Physics Syllabus XI Class

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

SYLLABUS FOR NEET(UG) 2024 - PHYSICS



Physics Syllabus XI Class

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

SYLLABUS FOR NEET(UG) 2024 - PHYSICS



Physics Syllabus XII Class

| CHAPTER | DELETED PORTION | NEWLY ADDED PORTION |
|-------------------------------------|---|---------------------|
| 11 ELECTROSTATICS | <ul style="list-style-type: none">• Van de Graaff generator. | -- |
| 12 CURRENT ELECTRICITY | <ul style="list-style-type: none">• Carbon resistors, colour 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. | -- |

SYLLABUS FOR NEET(UG) 2024 - PHYSICS



Physics Syllabus XII Class

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

SYLLABUS FOR NEET(UG) 2024 - PHYSICS



Physics Syllabus XII Class

| CHAPTER | DELETED PORTION | NEWLY ADDED PORTION |
|------------------------------------|--|---------------------|
| 15 ELECTROMAGNETIC WAVES | -- | -- |
| 16 OPTICS | <ul style="list-style-type: none">• Combination of lens and mirror• Dispersion of light through a prism.• 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.• Resolving power of microscopes and astronomical telescopes. | -- |

SYLLABUS FOR NEET(UG) 2024 - PHYSICS



Physics Syllabus XII Class

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

SYLLABUS FOR NEET(UG) 2024 - PHYSICS



Physics Syllabus XII Class

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

SYLLABUS FOR NEET(UG) 2024 - PHYSICS



Physics Syllabus XI Class

| CHAPTER | NEWLY ADDED PORTION |
|-------------------------------------|--|
| 20 EXPERIMENTAL SKILLS | <ul style="list-style-type: none">• Familiarity with the basic approach and observations of the experiments and activities:<ol style="list-style-type: none">1. Vernier callipers - its use to measure the internal and external diameter and depth of a vessel2. Screw gauge - its use to determine thickness/diameter of thin sheet/wire3. Simple pendulum-dissipation of energy by plotting a graph between the square of amplitude and time.4. Metre Scale - the mass of a given object by the principle of moments5. Young's modulus of elasticity of the material of a metallic wire.6. Surface tension of water by capillary rise and effect of detergents,7. Co-efficient of Viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body, |

SYLLABUS FOR NEET(UG) 2024 - PHYSICS



Physics Syllabus XI Class

| CHAPTER | NEWLY ADDED PORTION |
|-------------------------------------|---|
| 20 EXPERIMENTAL SKILLS | <ul style="list-style-type: none">8. Speed of sound in air at room temperature using a resonance tube,9. Specific heat capacity of a given (i) solid and (ii) liquid by method of mixtures.10. The resistivity of the material of a given wire using a metre bridge11. 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;<ul style="list-style-type: none">(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 FOR NEET(UG) 2024 - PHYSICS



Physics Syllabus XI Class

| CHAPTER | NEWLY ADDED PORTION |
|-------------------------------------|--|
| 20 EXPERIMENTAL SKILLS | <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> |