CAREERS 360

PREPARATION Series

CUET UG – 2025

Physics MCQs

Contents

a Note for the STUDENTS

Dear Aspirant,

Grit, determination, and hard work are inevitable for any entrance examination. These factors when assisted by a comprehensive ebook ensure success. We at careers360, believe in this mantra and have designed a CUET UG PHYSICS MCQ ebook curated exclusively to enhance CUET UG Physics 2024 preparation. This ebook is written and curated by Physics experts who have numerous years of experience in Physics under their belt. Answers to each MCQ are discussed in detail in simple language so that the candidate with any level of physics expertise can quickly understand and grasp the underlying concepts. The students are presented with 1,000+ questions and we believe that this can provide the candidates with the necessary practice for the exam.

This ebook covers the entire syllabus of the CUET UG Physics examination from Electrostatics to Communication Devices. Numerous practice questions ensure that the students are well versed in the possible types of questions that can appear in the exam. This ebook is also designed according to the standards and syllabus set by NTA for the CUET UG Physics 2024 examination. This can help the candidates to understand the exam pattern and syllabus.

We hope that you will find this resource useful in your preparation journey. Wishing you all the very best for your CUET UG Physics 2024 success.

Warm Regards
Team Careers360

ABOUT THE EBOOK

This ebook contains questions and concepts from the following chapters and units

1: Electrostatics: Important questions from electrostatics concepts such as electric charges and their conservation, Coulomb's law – force between two point charges, forces between multiple charges, electric field, electric flux, electric potential, conductors and insulators, dielectrics and electric polarization, capacitors and capacitance, Van de Graff generator, etc., are discussed in detail.

2: Current Electricity: Significant topics covered include electric current, Ohm's law, electrical resistance, V-I characteristics, electrical energy and power, resistors, internal resistance of a cell, Kirchhoff's laws, Wheatstone bridge, potentiometer, etc.

3: Magnetic Effects of Current and Magnetism: Key areas include the magnetic field, Biot-Savart law, Ampere's law, force on a moving charge in magnetic and electric fields, torque on a current loop in a magnetic field, magnetic dipole moment, electromagnetic induction, Faraday's law, Lenz's law, etc.

4: Electromagnetic Induction and Alternating Currents: Essential topics covered consist of electromagnetic induction, Faraday's law, Lenz's law, alternating currents, reactance and impedance, LC oscillations, LCR series circuit, AC generator, transformer, etc.

5: Electromagnetic Waves: Covered areas include the need for displacement current, characteristics of electromagnetic waves, electromagnetic spectrum, etc.

6: Optics: Important questions from the reflection of light, refraction of light, total internal reflection, optical instruments, wave optics, interference, diffraction, polarization, etc., are discussed in detail.

7: Dual Nature of Matter and Radiation: Significant topics include the photoelectric effect, matter waves, de Broglie relation, the Davisson-Germer experiment, etc.

8: Atoms and Nuclei: Covered areas consist of alpha-particle scattering experiment, Rutherford's model of the atom, Bohr model, nuclear physics, radioactivity, mass-energy relation, nuclear fission and fusion, etc.

9: Electronic Devices: Essential topics include energy bands in solids, semiconductor diodes, LED, photodiodes, transistors, logic gates, etc.

10: Communication Systems: Key areas covered include elements of a communication system, modulation, propagation of electromagnetic waves, production and detection of an amplitude-modulated wave, etc.

CHAPTERS

THANKYOU

We would like to extend our appreciation and sincere thanks to all the candidates who have gone through this ebook to prepare for the CUET UG Physics examination. We hope that this ebook proved to be immensely useful for you. We believe you have all the potential to crack the examination and our ebook made it easier for you. Remember that learning never ceases and you continue with this hunger for knowledge. Please feel free to reach out to us for any further assistance.

Warm Regards
Team Careers360