CUET 2025 Physics

Edupreparator's Online CUET 2025 Exam Preparation Live classes + Test Series of Physics Domains.

Welcome to Edupreparator, your trusted partner in unlocking success in the **Online CUET 2025 (Common Universities Entrance Test) Exam**. Our **specialized Live classes + Test Series in Physics** are meticulously designed to empower students with the knowledge and skills needed to excel in the CUET 2025 examination.

Physics CUET 2025 Domains + Test Series Highlights:

1. **Live and Recorded Classes:**

- We are providing you with 20+ Hour Live Physics domain classes and the flexibility of recorded sessions that will be a 6-week Programme.
- Our expert educators, well-versed in Physics, bring the curriculum to life, ensuring an engaging and effective learning experience.

Physics Live Classes Schedule

Date	Topics	Timings
20-03-2025	**Chapter 1 ELECTRIC CHARGES AND FIELDS**	**4:15-6 pm**
23-03-2025	**Chapter 2 ELECTROSTATIC POTENTIAL AND CAPACITANCE**	**4:15-6 pm**
26-03-2025	**Chapter 3 CURRENT ELECTRICITY**	**4:15-6 pm**
29-03-2025	**Chapter 4 MOVING CHARGES AND MAGNETISM**	**4:15-6 pm**

01-04-2025	**Chapter 5 MAGNETISM AND MATTER**	**4:15-6 pm**
04-04-2025	**Chapter 6 ELECTROMAGNETIC INDUCTION**	**4:15-6 pm**
07-04-2025	**Chapter 7 ALTERNATING CURRENT**	**4:15-6 pm**
09-04-2025	**Chapter 8 ELECTROMAGNETIC WAVES**	**4:15-6 pm**
11-04-2025	**Chapter 1 RAY OPTICS AND OPTICAL INSTRUMENTS**	**4:15-6 pm**
13-04-2025	**Chapter 2 WAVE OPTICS**	**4:15-6 pm**
15-04-2025	**Chapter 3 DUAL NATURE OF RADIATION AND MATTER**	**4:15-6 pm**
17-04-2025	**Chapter 4 ATOMS**	**4:15-6 pm**
19-04-2025	**Chapter 5 NUCLEI**	**4:15-6 pm**
21-04-2025	**Chapter 6 SEMICONDUCTOR ELECTRONICS: MATERIALS, DEVICES AND SIMPLE CIRCUITS**	**4:15-6 pm**

2. **2. <u>Chapters Wise Tests:</u>**

- To reinforce conceptual understanding, we also offer chapter-wise tests of all chapters that focus on specific topics within the Physics syllabus.
- These tests allow students to examine deep into individual chapters, identifying strengths and areas for improvement.
- Immediate feedback is provided, enabling students to track their progress and tailor their study plans accordingly.

Chapter Wise Test Schedule

Date	Topics	Timings
21-03-2025	**Chapter 1 ELECTRIC CHARGES AND FIELDS**	**10 pm**
24-03-2025	**Chapter 2 ELECTROSTATIC POTENTIAL AND CAPACITANCE**	**10 pm**
27-03-2025	**Chapter 3 CURRENT ELECTRICITY**	**10 pm**
30-03-2025	**Chapter 4 MOVING CHARGES AND MAGNETISM**	**10 pm**
02-04-2025	**Chapter 5 MAGNETISM AND MATTER**	**10 pm**
05-04-2025	**Chapter 6 ELECTROMAGNETIC INDUCTION**	**10 pm**
07-04-2025	**Chapter 7 ALTERNATING CURRENT**	**10 pm**
09-04-2025	**Chapter 8 ELECTROMAGNETIC WAVES**	**10 pm**

12-04-2025	**Chapter 1 RAY OPTICS AND OPTICAL INSTRUMENTS**	**10 pm**
15-04-2025	**Chapter 2 WAVE OPTICS**	**10 pm**
18-04-2025	**Chapter 3 DUAL NATURE OF RADIATION AND MATTER**	**10 pm**
21-04-2025	**Chapter 4 ATOMS**	**10 pm**
24-04-2025	**Chapter 5 NUCLEI**	**10 pm**
27-04-2025	**Chapter 6 SEMICONDUCTOR ELECTRONICS: MATERIALS, DEVICES AND SIMPLE CIRCUITS**	**10 pm**

3. **Expertly Crafted Mock Tests and Discussion:**

- Our Test Series includes 5 full-length mock tests, providing students with a real-time online exam experience with Test Discussion in recorded form.
- Each mock test is designed by experienced educators and subject matter experts, ensuring a comprehensive coverage of the CUET Physics syllabus.

Comprehensive Full-Length Physics Domains Mock Test

Date	Topics	Timings
20-04-2025	**Mock Test -1 (Book I and II)**	**3 pm**

25-04-2025	**Mock Test -2 (Book I and II)**	**3 pm**
30-04-2025	**Mock Test -3 (Book I and II)**	**3 pm**
02-05-2025	**Mock Test -4 (Book I and II)**	**3 pm**
05-05-2025	**Mock Test -5 (Book I and II)**	**3 pm**

4.**Comprehensive Coverage:**

- Our Test Series covers the entire CUET 2025 Physics syllabus, ensuring that students are well-prepared for any question that may appear in the exam.
- Test includes topics from Physics Part 1 and Physics Part 2.

5. **AI-Based Test Series Analysis:**

- Harnessing the power of artificial intelligence, our test series analysis goes beyond conventional assessments. Receive personalized insights, performance metrics, and tailored feedback to understand your strengths and weaknesses. This data-driven approach allows for strategic refinement of your study plan.

6. **CUET College Counselling Session:**

- Navigating the college admission process can be overwhelming. At EDUPREPRATOR, we go the extra mile by offering CUET College counselling sessions. Our experienced counsellors provide valuable guidance, helping you make informed decisions about your academic future.

Embark on your CUET 2025 exam preparation journey with Edupreparator's CUET 2025 Physics Live Classes + Test Series, where excellence is not just a goal but a guarantee. Secure your future with a solid foundation with EDUPREPARATOR –Enroll today!

Physics Part 1	**Physics Part 2**

Chapter 1 ELECTRIC CHARGES AND FIELDS	**Chapter 1 RAY OPTICS AND OPTICAL INSTRUMENTS**
Chapter 2 ELECTROSTATIC POTENTIAL AND CAPACITANCE	**Chapter 2 WAVE OPTICS**
Chapter 3 CURRENT ELECTRICITY	**Chapter 3 DUAL NATURE OF RADIATION AND MATTER**
Chapter 4 MOVING CHARGES AND MAGNETISM	**Chapter 4 ATOMS**
Chapter 5 MAGNETISM AND MATTER	**Chapter 5 NUCLEI**
Chapter 6 ELECTROMAGNETIC INDUCTION	
Chapter 7 ALTERNATING CURRENT	
Chapter 8 ELECTROMAGNETIC WAVES	

Chapter and Subtopics of Physics Domains

Chapter Name	Sub-Topics

Chapter 1 ELECTRIC CHARGES AND FIELDS	**Electric charges and their conservation. Coulomb's law – force between two point charges, forces between multiple charges; superposition principle, and continuous charge distribution. Electric field, electric field due to a point charge, electric field lines; electric dipole, electric field due to a dipole; torque on a dipole in a uniform electric field.**
Chapter 2 ELECTROSTATIC POTENTIAL AND CAPACITANCE	**Electric potential, potential difference, electric potential due to a point charge, a dipole and system of charges; equipotential surfaces, the electrical potential energy of a system of two point charges, and electric dipoles in an electrostatic field.**
Chapter 3 CURRENT ELECTRICITY	**Electric current, the flow of electric charges in a metallic conductor, drift velocity and mobility, and their relation with electric current; Ohm's law, electrical resistance, V-I characteristics (linear and non-linear), electrical energy and power, electrical resistivity and conductivity.**
Chapter 4 MOVING CHARGES AND MAGNETISM	**Concept of the magnetic field, Oersted's experiment. Biot - Savart law and its application to current carrying circular loop. Ampere's law and its applications to infinitely long straight wire, straight and toroidal solenoids. Force on a moving charge in uniform magnetic and electric fields. Cyclotron.**
Chapter 5 MAGNETISM AND MATTER	**Current loop as a magnetic dipole and its magnetic dipole moment. The magnetic dipole moment of a revolving electron. Magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis. Torque on a magnetic dipole (bar magnet) in a uniform magnetic field; bar magnet as an equivalent solenoid, magnetic field lines; Earth's magnetic field and magnetic elements.**

Chapter 6 ELECTROMAGNETIC INDUCTION	**Electromagnetic induction; Faraday's law, induced emf and current; Lenz's Law, Eddy currents. Self and mutual inductance.**
Chapter 7 ALTERNATING CURRENT	**Alternating currents, peak and RMS value of alternating current/voltage; reactance and impedance; LC oscillations (qualitative treatment only), LCR series circuit, resonance; power in AC circuits, wattless current. AC generator and transformer**
Chapter 8 ELECTROMAGNETIC WAVES	**Need for displacement current. Electromagnetic waves and their characteristics (qualitative ideas only). Transverse nature of electromagneticwaves. Electromagnetic spectrum (radio waves, microwaves, infrared, visible, ultraviolet, x-rays, gamma rays) including elementary facts about their uses.**
Chapter 1 RAY OPTICS AND OPTICAL INSTRUMENTS	**Reflection of light, spherical mirrors, mirror formula. Refraction of light, total internal reflection, and its applications, optical fibres, refraction at spherical surfaces, lenses, thin lens formula, lens maker's formula. Magnification, power of a lens, combination of thin lenses in contact combination of a lens and a mirror. Refraction and dispersion of light through a prism.**
Chapter 2 WAVE OPTICS	**Wave optics: Wave front and Huygens' Principle, reflection, and refraction of plane wave at a plane surface using wave fronts. Proof of laws of reflection and refraction using Huygens' Principle. Interference, Young's double hole experiment and expression for fringe width, coherent sources, and sustained interference of light.**

Chapter 3 DUAL NATURE OF RADIATION AND MATTER	**Photoelectric effect, Hertz and Lenard's observations; Einstein's photoelectric equation – particle nature of light. Matter waves – wave nature of particles, de Broglie relation. Davisson-Germer experiment (experimental details should be omitted; only the conclusion should be explained.)**
Chapter 4 ATOMS	**Alpha - particle scattering experiment; Rutherford's model of atom; Bohr model, energy levels, hydrogen spectrum. Composition and size of nucleus, atomic masses, isotopes, isobars; isotones.**
Chapter 5 NUCLEI	**Radioactivity – alpha, beta, and gamma particles/rays, and their properties; radioactive decay law. Mass-energy relation, mass defect; binding energy per nucleon and its variation with mass number; nuclear fission and fusion.**
Chapter 6 SEMICONDUCTOR ELECTRONICS: MATERIALS, DEVICES AND SIMPLE CIRCUITS	**Energy bands in solids (qualitative ideas only), conductors, insulators, and semiconductors; semiconductor diode – I-V characteristics in forward and reverse bias, diode as a rectifier; I-V characteristics of LED, photodiode, solar cell, and Zener diode; Zener diode as a voltage regulator. Junction transistor, transistor action, characteristics of a transistor; transistor as an amplifier (common emitter configuration) and oscillator.**

The comprehensive CUET 2025 Physics syllabus is provided above. Examine it in detail. ***It is anticipated that CUET will mark a significant turning point in Indian higher education. Get ready for the CUET as soon as possible to give it your all. Use EDUPREPARATOR to get started on your Boards + CUET 2025 preparation right now. With more than a decade of experience helping students prepare for UG exams, EDUPREPARATOR provides top-notch programs and courses.***

ALL THE BEST!!