CUET 2025 Chemistry

Introducing Edupreparator's Online CUET 2025 Exam Preparation Test Series of Chemistry Domains:

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

Chemistry CUET 2025 Test Series Highlights:

1. **Expertly Crafted Mock Tests:**

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

2. **Chapters Wise Tests**

- **To reinforce conceptual understanding, we offer chapter-wise tests of all chapters focusing on specific topics within the Chemistry 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.**

3. **Comprehensive Coverage:**

- **Our Test Series covers the entire CUET 2025 Chemistry syllabus, ensuring that students are well-prepared for any question in the exam.**

Few important details about CUET:

- **CUET will be a gateway to 100+ Universities, for UG admissions.**
- **For the first time since its inception, in CUET the medium of instruction will be available in multiple (13 different) languages.**
- **NTA has officially announced that the psychology syllabus for CUET will include only the NCERT syllabus from class 12th standard.**

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

Chemistry Syllabus for CUET

We will examine and comprehend the comprehensive CUET chemistry syllabus in this section. A great deal of focus is needed here because planning how to prepare chemistry for CUET 2025 requires a thorough understanding of the syllabus.

Unit	Topic	Sub-topics
1.	Solid state	• Classification of solids based on different binding forces: molecular, ionic covalent, and metallic solids, amorphous and crystalline solids • Unit cells in two-dimensional and three-dimensional lattices • Band theory of metals, conductors, semiconductors, insulators, and n and p-type semiconductors… and more
2.	Solutions	• Types of solutions • The relative lowering of vapour pressure • Raoult's law • Determination of molecular masses using colligative properties Van't Hoff factor… and more
3.	Electrochemistry	• Redox reactions; conductance in electrolytic solutions • Kohlrausch's Law - electrolysis, and laws of electrolysis • Relation between Gibbs energy change and EMF of a cell… and more
4.	Chemical Kinetics	• Rate of a reaction (average and instantaneous) • Rate law and specific rate constant • The concept of collision theory

		• **Arrhenius equation… and more**
5.	**Surface Chemistry**	• **Absorption – physisorption and chemisorption** • **Enzyme catalysis; colloidal state** • **The distinction between true solutions, colloids, and suspensions** • **Tyndall effect & Brownian movement** • **Emulsions – types of emulsions… and more**
6.	**General Principles and Processes of Isolation of Elements**	• **Principles and methods of extraction** • **Principles of extraction of aluminum, copper, zinc, and iron… and more**
7.	**p-Block Elements**	• **Group 15 Elements** • **Group 16 Elements** • **Group 17 Elements** • **Group 18 Elements**
8.	**d and f block Elements**	• **General introduction, electronic configuration, occurrence, and characteristics of transition metals** • **Metallic character, ionization enthalpy, oxidation states, ionic radii, colour, catalytic property, magnetic properties, interstitial compounds, alloy formation** • **Preparation and properties of K2Cr2O7 and KMnO4. Lanthanoids & Actinoids… and more**

9.	**Coordination compounds**	● **Introduction, ligands, coordination number, colour, magnetic properties, and shapes** ● **IUPAC nomenclature of mononuclear coordination compounds** ● **Werner's theory of VBT** ● **Isomerism (structural and stereo) importance of coordination compounds… and more**
10.	**Haloalkanes and Haloarenes**	**· Nomenclature, nature of C-X bond, physical and chemical properties** **· Haloarenes: Nature of C-X bond, substitution reactions** **· Uses And Environmental Effects Of–dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT… and more**
11.	**Alcohols, Phenols, and Ethers**	● **Alcohols: Nomenclature, methods of preparation, physical and chemical properties** ● **Identification of primary, secondary, and tertiary alcohols Mechanism of dehydration** ● **Phenols: Nomenclature, methods of preparation, physical and chemical properties** ● **Acidic nature of phenol, electrophilic substitution reactions, uses of phenols** ● **Ethers: Nomenclature, methods of preparation, physical and chemical properties, uses… and more**
12.	**Aldehydes, Ketones, and Carboxylic Acids**	● **Aldehydes and Ketones: Nomenclature, nature of carbonyl group, methods of preparation, physical and chemical properties** ● **Carboxylic Acids: Nomenclature, acidic nature, methods of preparation, physical and chemical properties; uses… and more**

13.	**Organic Compounds Containing Nitrogen**	• **Amines: Nomenclature, classification, structure, methods of preparation, physical and chemical properties, uses** • **Cyanides and Isocyanides – will be mentioned at relevant places in context** • **Diazonium salts: Preparation, chemical reactions, and importance in synthetic organic chemistry… and more**
14.	**Biomolecules**	• **Carbohydrates & Proteins** • • **Hormones - Elementary idea (excluding structure). Vitamins – Classification and functions. Nucleic Acids: DNA and RNA**
15.	**Polymers**	• **Classification - Natural and synthetic, methods of polymerization & copolymerization** • **Some important polymers: natural and synthetic like polythene, nylon polyesters, bakelite, and rubber** • **Biodegradable and non-biodegradable polymers… and more**
16.	**Chemistry in Everyday Life**	• **Chemicals in medicines - analgesics, tranquilizers, antiseptics, disinfectants, antimicrobials, antifertility drugs, antibiotics, antacids, and antihistamines** • **Chemicals In food - preservatives, artificial sweetening agents, elementary ideas of antioxidants** • **Cleansing agents – soaps and detergents, cleansing action**

The comprehensive CUET 2025 chemistry 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!!