

## UP CNET Syllabus 2025 – Subject-wise Topics

The UP CNET syllabus includes five major sections: Physics, Chemistry, Biology, English, and Nursing Aptitude. Each section carries equal weightage of 20 marks. The detailed topics under each subject are listed below:

Subject	Topics Covered
<b>A. English</b>	<ul style="list-style-type: none"><li>- Comprehension</li><li>- Error Detection</li><li>- Synonyms &amp; Antonyms</li><li>- Idioms &amp; Phrases</li><li>- Proverbs</li><li>- Phrases</li><li>- Sentence Rearrangement</li></ul>

**B. Physics**

- Units & Measurements
- Kinematics
- Laws of Motion
- Work, Energy, and Power
- Motion of System of Particles and Rigid Body
- Gravitation
- Properties of Bulk Matter
- Thermodynamics
- Behaviour of Perfect Gas and Kinetic Theory
- Oscillations and Waves
- Electrostatics
- Current Electricity
- Magnetic Effects of Current and Magnetism
- Electromagnetic Induction and Alternating Current
- Electromagnetic Waves
- Optics
- Dual Nature of Matter and Radiation
- Atoms and Nuclei
- Electronic Devices
- Communication Systems

## **C. Chemistry**

- Some Basic Concepts of Chemistry
- Structure of Atom
- Classification of Elements & Periodicity in Properties
- Chemical Bonding and Molecular Structure
- States of Matter: Gases and Liquids
- Thermodynamics
- Equilibrium
- Redox Reactions
- Hydrogen
- Periodic Table (s-block, p-block, d-block, f-block)
- Organic Chemistry
- Hydrocarbons
- Environmental Chemistry
- Electrochemistry
- Chemical Kinetics
- Surface Chemistry
- General Principles and Processes of Isolation of Elements
- Coordination Compounds
- Biomolecules, Polymers, and Chemistry in Everyday Life

**D. Biology**

- Diversity of Living Organisms
- Structural Organisation in Animals and Plants
- Cell Structure and Function
- Plant Physiology
- Human Physiology
- Reproduction
- Genetics and Evolution
- Biology and Human Welfare
- Biotechnology and Its Applications
- Ecology and Environment

**E. Nursing Aptitude**

- Nursing Fundamentals
- Medical-Surgical Nursing
- Community Health Nursing
- Mental Health Nursing
- Pediatric Nursing
- Obstetric and Gynecological Nursing
- First Aid and Emergency Care
- Nutrition and Dietetics
- Communication and Interpersonal Skills
- Nursing Ethics and Professionalism