

Panjab University, Chandigarh



PU CET UG Exam Pattern

Subjects	Questions	Marks	Time Duration
Physics	60	120	70 Minutes
Chemistry	60	120	70 Minutes
Biology	60	120	70 Minutes
Mathematics	60	120	70 Minutes

PU CET UG Syllabus

Mathematics

- Sets
- Relations & Functions
- Trigonometric Functions
- Algebra
- Principle of Mathematical Induction
- Complex numbers & Quadratic Equations
- Linear Inequalities
- Permutations & Combinations
- Binomial Theorem
- Sequence & Series
- Straight lines
- Conic Sections
- Introduction to Three- dimensional Geometry
- Limits & Derivatives
- Mathematical Reasoning
- Statistics
- Probability
- Coordinate Geometry
- Calculus

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- Vectors
- Linear programming
- Probability

Physics

- Physical World and Measurement
- Kinematics
- Laws of Motion
- Work, Energy, and Power
- Oscillations and Waves
- Electrostatic
- Properties of Bulk Matter
- Thermodynamics
- Current Electricity
- Magnetic effects of current and magnetism
- The motion of System of Particles and Rigid Body Gravitation
- <https://exams.freshersnow.com/category/entrance-exam-syllabus/>
- The behavior of Perfect Gas and Kinetic Theory
- Electromagnetic induction and alternating currents
- Electromagnetic waves
- Optics
- Dual nature of matter and radiation
- Atoms and nuclei
- Electronic Devices
- Communication Systems

Chemistry

- Some Basic Concepts of Chemistry
- Structure of Atom
- Classification of Elements and Periodicity in Properties
- Chemical Bonding and Molecular Structure
- Hydrogen
- S-Block Elements (Alkali and Alkaline Earth Metals)
- Organic Chemistry- Some Basic Principles and Techniques
- Status of Matter: Gases and Liquids

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- Thermodynamics
- Equilibrium
- Redox Reaction
- Some p-Block Elements, General introduction to p-Block Elements
- Hydrocarbons
- Environmental Chemistry

Biology

- Diversity in Living World
- Structural Organization in animals & plants
- Reproduction
- Genetics and Evolution
- Cell structure and functions
- Plant physiology
- Human anatomy and physiology
- Biology and Human welfare
- Biotechnology and its application
- Ecology and its environment