

University of Petroleum and Energy Studies (UPES)



UPESEAT Exam Pattern

Test Online

Name of the Test	No of Questions
Mathematics	35
Chemistry	35
Physics	35
English Language Comprehension	20
Total Questions	125

Test Centre Based

Name of the Test	No of Questions/ Marks
Mathematics	50 Questions/ 50Marks
Chemistry	50 Questions/ 50 Marks
Physics	50 Questions/ 50 Marks
English Comprehensions	30 Questions/ 30 Marks
Current Affairs	20 Questions/ 20 Marks
Total Questions/ Marks	200 Questions/ 200 Marks

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Download UPESEAT Syllabus - Subject Wise

Chemistry

- Some basic concepts in Chemistry
- The States of Matter
- Atomic Structure
- Chemical Bonding and Molecular Structure
- Chemical Thermodynamics
- Solutions
- Equilibrium
- Redox Reactions and Electrochemistry
- Chemical Kinetics
- Surface Chemistry
- Classification of Elements and Periodicity in Properties
- General Principles and Process of Isolation of Metals
- Hydrogen
- S-Block Elements
- P-Block Elements
- F-Block Elements
- D and F-Block Elements
- Environmental Chemistry
- Purification and Characterization of organic compounds
- Hydrocarbons
- Organic Compounds Containing Oxygen
- Organic Compounds Containing Nitrogen
- Biomolecules
- Chemistry in Everyday Life

Physics

- Physics and Measurement
- Kinematics
- Laws of Motion
- Work Energy and Power
- Rotational Motion
- Gravitation
- Properties of Solids and Liquids

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- Thermodynamics
- Theory of Gases
- Oscillation and Waves
- Electrostatics
- Electricity
- Magnetic Effect of Current and Magnetism
- <https://exams.freshersnow.com/>
- Electromagnetic waves
- Dual Nature of Matter and Radiation
- Atoms and Nuclei
- Electronic Devices
- Communication Systems

Mathematics

- Sets, Relations, and Functions
- Complex Numbers and Quadratic Equation
- Matrix and Determinants
- Permutations and Combinations
- Binomial Theorem and its simple application
- Sequence and series
- Limit, Continuity, and Differentiability
- Integral Calculus
- Differential Equation
- Coordinate Geometry
- Three-Dimensional Geometry
- Vector Algebra
- Statistics and Probability
- Trigonometry
- Mathematical Reasoning
- Approximation

General Awareness

- Current Affairs
- Authors
- International & National Organizations
- Abbreviations

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- Environment
- General Knowledge
- Book
- History
- Geography
- General Science
- Budget
- Indian Economy
- Awards