

UPPSC Assistant Professor Exam Pattern

S. No	Type of the Test	Topics
1.	Written Test	General Knowledge
		Arithmetic
		Reasoning
		English
		General Aptitude
2.	Interview	Technical Subjects

UPPSC Assistant Professor Syllabus: Subject Wise

General Knowledge

- Economic issues in India.
- National news (current).
- International issues.
- Scientific observations.
- National Dance.
- Handicrafts.
- Tribes.
- Artists.
- Tourism spots of Historical Importance
- Sculptures.
- Famous Places.

General Studies

- General Science.
- Indian Polity.
- Geography – India.
- Current Events – National & International.
- Science & Technology.
- History – India & World.
- Socio-Economic Events
- Cultural Heritage of India.
- Indian Constitution.
- Indian Economy.

Reasoning Syllabus

Verbal Reasoning

- Sitting arrangement
- Sequential output tracing
- Direction sense test
- Puzzle test
- Machine input
- Logical Venn diagram
- Alphabet test
- Alpha-numerical sequence puzzle
- Mathematical operations
- Inequalities
- Decision making
- Syllogism
- Number series
- Analogy
- Classifications
- Blood relations
- Coding-decoding
- Numbers, ranking & time sequence test
- Logical sequence test
- Arithmetical operations
- Inserting the missing characters
- Data Sufficiency
- Eligibility test
- Assertion and reason
- Situation reaction test
- Verification of truth of the statement

Non Verbal Reasoning

- Paper cutting
- Rule detection
- Grouping of identical figures
- Cubes and dice
- Completion of incomplete pattern
- Water-image
- Spotting out the embedded figures
- Figure matrix
- Paper folding
- Dot situation
- Series
- Analogy
- Classification
- Analytical reasoning
- Mirror-image

- Construction of squares and triangles

General Aptitude Syllabus

- Calendar
- Chain Rule
- Clock
- Age
- Percentage
- Permutations and Combinations
- Pipes and Cistern
- Probability
- Profit and Loss
- Area
- Average
- Banker's Discount
- Boats and Streams
- Decimal Fractions
- H.C.F. and L.C.M.
- Height and Distance
- Time and Distance
- Time and Work
- Logarithm
- Mixture and Allegation
- Numbers
- Partnerships
- Races and Games
- Series – Odd Man Out
- Series – Find Missing Number
- Simple Interest
- Compound Interest
- Simplification
- Square Root and Cube Root
- Stocks and Shares
- Surds and Indices
- Trains

English

- Vocabulary.
- Fill in the blanks.
- Grammar.
- Spot the error.
- Antonyms.
- Synonyms/ Homonyms.

- Sentence structure.
- Spellings.
- passage.
- Verbal Comprehension passage etc.
- Verbs.
- Adjectives.
- Clauses.

Chemistry

- Analytical Chemistry.
- Analytical techniques.
- Structure and Bonding.
- Acids and Bases.
- Redox Reactions.
- Nuclear Chemistry.
- Chemistry of Transition Elements.
- Inorganic reaction mechanism.
- Bio-inorganic Chemistry.
- Organic synthesis.
- Quantum Chemistry.
- Chemical Kinetics.
- Thermodynamics.
- Electrochemistry.
- Photochemistry.

Physics

- Mathematical Methods.
- Classical Mechanics and Relativity.
- Quantum Theory and its Applications.
- Electromagnetic Theory.
- Thermodynamics and Statistical Mechanics.
- Atomic and Molecular Physics.
- Condensed Matter Physics.
- Nuclear and Particle Physics.
- Electronics.
- Experimental Physics.

Botany

- Plant diversity.
- Taxonomy of Angiosperms.
- Angiosperm Anatomy.
- Cell Biology.
- Molecular Biology.

- Plant Biotechnology.
- The Plant Biochemistry.
- Plant Physiology.

Zoology

- The molecular structure of DNA and RNA.
- Principles of Mendelian inheritance.
- Gametogenesis.
- Classification and comparative anatomy of Prochordates and Chordates.
- A broad classification of Animal Kingdom.
- Principles of Mendelian inheritance.
- Immune systems.
- Biomolecules.

Geography

- Geomorphology.
- Climatology.
- Oceanography.
- Biogeography.
- Geographic Thought.
- Population Geography.
- Settlement Geography.
- Economic Geography.
- Geography of India.
- Map making.
- Remote Sensing.
- Statistical Methods.

Mathematics

- Real Analysis.
- Complex Analysis.
- Algebra.
- Topology.
- Measure Theory and Functional Analysis.
- Differential Equations.
- Mechanics and Numerical Methods.
- Probability and Mathematical Statistics.
- Differential Geometry and Graph Theory.
- Mathematical Programming and Fluid Dynamics.