

IIIT Hyderabad UGEE Exam Pattern & Syllabus (2025)

Exam Pattern

- Duration: 3 hours (180 minutes), online CBT.
- Sections:
 - SUPR (60 min) – Physics, Mathematics, Chemistry
 - REAP (120 min) – Reasoning, Analytical, Creative Thinking
- Marking Scheme:
 - SUPR: +1 mark, no negative marking
 - REAP: +2 marks, -0.5 negative marking
- Selection: SUPR for shortlisting; REAP for ranking

SUPR (Subject Proficiency) Syllabus

- Physics: Electrostatics, Gravitation, Rotational Motion, Work & Energy, Newton's Laws, Current Electricity, Magnetism, Optics, Thermodynamics.
- Mathematics: Calculus, Vectors & 3D Geometry, Algebra, Coordinate Geometry, Trigonometry, Probability & Statistics.
- Chemistry: Atomic Structure, Thermodynamics, Kinetics, Electrochemistry, Bonding, Basics of Organic & Inorganic Chemistry.

REAP (Research Aptitude) Syllabus

- Logical Reasoning: Series, Syllogisms, Coding-Decoding, Blood Relations.
- Data Interpretation: Charts, Tables, Logical Sufficiency.
- Puzzles: Seating, Venn Diagrams, Scheduling, Paper Folding.
- Non-Verbal: Pattern completion, Embedded Figures.
- Creative & Scientific Reasoning: Lateral thinking, Case Studies, Hypothesis Testing, Critical Thinking.
- Quantitative Aptitude: Arithmetic, Algebra, Probability, Time & Work, Geometry.

Component	Details
Duration	180 minutes (SUPR: 60 min, REAP: 120 min)
SUPR Section	Physics, Mathematics, Chemistry; +1 mark; No negative marking
REAP Section	Reasoning, Creativity, Quantitative Aptitude; +2/-0.5 marks
Shortlisting	SUPR determines screening; REAP determines ranking
SUPR Syllabus	Class XI & XII PCM topics (Mechanics, Calculus, Thermodynamics, etc.)
REAP Syllabus	Logical reasoning, DI, puzzles, verbal & non-verbal reasoning