

None

None

IIITH UGEE 2025 Syllabus

IIITH UGEE Syllabus 2025 is prescribed by the International Institute of Information Technology (IIIT) Hyderabad. The syllabus of IIITH UGEE 2025 syllabus is made available on the official website ugadmissions.iiit.ac.in. IIITH UGEE 2024 Syllabus for each section is based on the syllabus of Class 11 and 12 (PCM). The IIITH UGEE 2025 syllabus consists of the topics Kinematics, Physics and Measurement, Gravitation, Laws of Motion, Work, Energy, and Power, Kinetic Theory of Gases, Atomic Structure, Mole Concept, Thermodynamics, Chemical Kinetics, Electrochemistry, Chemical Equilibrium, Inorganic Chemistry, Physical Chemistry, Organic Chemistry, Complex Numbers and Quadratic Equations, Sets, Relations, and Functions, Matrices and Determinants, etc. Candidates must note that the weightage of Physics and Mathematics in the [IIITH UGEE exam 2025](#) will be more than Chemistry.

Check Also:

[IIITH UGEE 2025 Exam Pattern](#) [IIITH UGEE Previous Year Question Paper](#)

Candidates preparing for IIITH UGEE exam are advised to have a thorough of the exam syllabus as it will assist them in getting an idea of the chapters covered in the exam. IIITH UGEE Syllabus 2025 is crucial to know as it helps in building a consolidated IIITH UGEE 2025 Preparation Timetable. Here, we have covered the detailed syllabus of IIITH UGEE 2025.

LATEST:

1. [IIITH UGEE 2025 Exam Date](#) will be conducted on April 19, 2025.
2. IIITH UGEE 2025 Application Form is available from February 4, 2025 to March 23, 2025.
3. [IIITH UGEE 2025 Admit Card](#) will be released 10 days before the exam date i.e. April 9, 2025.

IIITH UGEE 2025 Syllabus PDF

Download the detailed syllabus of IIITH UGEE 2025 from the following PDF.

[Download IIITH UGEE 2025 Syllabus PDF](#)

Read Also:

[IIITH UGEE 2025 Application Form](#)

[IIITH UGEE 2025 Important Dates](#)

Download Latest Subject-Wise IIITH UGEE 2025 Syllabus

Check the detailed syllabus of IIITH UGEE 2025 here.

IIITH UGEE 2025 Syllabus for SURP Section

SURP Section Syllabus of IIITH UGEE 2025 is given below.

Physics

Chemistry

Mathematics

- Kinematics
- Physics and Measurement
- Gravitation
- Laws of Motion
- Work, Energy, and Power
- Kinetic Theory of Gases
- Magnetic Effects of Current and Magnetism
- Thermodynamics
- Properties of Solids and Liquids
- Rotational Motion
- Oscillations and Waves
- Current Electricity
- Electromagnetic Induction and Alternating Currents
- Electrostatics
- Electromagnetic Waves
- Optics
- Atoms and Nuclei
- Electronic Devices
- Dual Nature of Matter and Radiation
- Communication Systems
- Atomic Structure
- Mole Concept
- Thermodynamics
- Chemical Kinetics
- Questions Based on Correct Order
- Electrochemistry
- Chemical Equilibrium
- POC (Practical Chemistry)
- States of Matter
- Biomolecules and Polymers
- Named Reactions
- GOC (General Organic Chemistry)
- Chemical Bonding
- Block Chemistry
- Other (Inorganic Chemistry)
- Other (Physical Chemistry)
- Other (Organic Chemistry)
-
- Complex Numbers and Quadratic Equations
- Sets, Relations, and Functions
- Matrices and Determinants
- Mathematical Induction
- Binomial Theorem
- Permutations and Combinations
- Sequence and Series
- Integral Calculus
- Differential Equations
- Limit, Continuity, and Differentiability
- Coordinate Geometry
- 3D Geometry
- Statistics and Probability
- Vector Algebra
- Trigonometry
- Mathematical Reasoning

IIITH UGEE 2025 Syllabus for REAP Section

The REAP Section syllabus of IIITH UGEE 2025 has been provided in the following table.

Arithmetic & Basic PCM	Algebra and Geometry	Reasoning and DI
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- Big Passage Ques based on PCM and SUPR
- Time and Work
- Simple and Compound Graphical Questions of PCM
- Interest
- Train Problems
- Case Study-based Questions
- Progressions and Series
- Probability
- Surds, Indices, and Logarithms
- Number of Solutions
- Permutations and Combinations
- Tracing Curves
- Coding and Decoding
- Cubes and Dices
- Direction Sense Test
- Miscellaneous Puzzles
- Logical Venn Diagram
- Analytical Reasoning
- Data Sufficiency
- Linguistics
- Finding the Missing Term

IIITH UGEE 2025 Chapter wise Weightage (Expected)

Check the table below to get an idea of the Chapter Weightage of IIITH UGEE 2025 (expected).

Subjects

IIITH UGEE Chapter-wise Weightage 2025

IIITH UGEE 2025 Mathematics Chapter to wise Weightage

- Algebra (Complex Numbers, Matrices, Determinants)- 15 to 20%
- Calculus (Differentiation, Integration, Applications)- 20 to 25%
- Coordinate Geometry (Straight Lines, Circles, Conics)- 12 to 15%
- Vectors and 3D Geometry- 7 to 9%
- Trigonometry- 5 to 7%
- Probability and Statistics- 6 to 8%
- Permutations and Combinations- 5 to 7%

IIITH UGEE 2025 Physics
Chapter to wise Weightage

- Thermodynamics and Kinetic Theory- 6 to 8%
- Electrostatics and Current Electricity- 10 to 12%
- Optics- 6 to 8%
- Magnetism and Electromagnetic Induction- 8 to 10%
- Modern Physics (Dual Nature, Atomic Physics)- 8 to 10%
- Mechanics (Laws of Motion, Work, Energy, and Power)- 10 to 12%
- Waves and Oscillations- 6 to 8%

Physical Chemistry

- Electrochemistry- 4 to 6%
- Chemical Kinetics- 3 to 5%
- Atomic Structure- 5 to 7%
- Thermodynamics and Thermochemistry- 8 to 10%
- Equilibrium (Chemical and Ionic)- 6 to 8%
- Mole Concept and Stoichiometry- 4 to 6%
- Solid State- 3 to 5%
- Surface Chemistry- 2 to 4%

Organic Chemistry

IIITH UGEE 2025 Chemistry
Chapter to wise Weightage

- Hydrocarbons (Alkanes, Alkenes, Alkynes)- 5 to 7%
- Aldehydes, Ketones, and Carboxylic Acids- 4 to 6%
- General Organic Chemistry- 6 to 8%
- Haloalkanes and Haloarenes- 4 to 6%
- Alcohols, Phenols, and Ethers- 5 to 7%
- Biomolecules and Polymers- 3 to 5%
- Amines- 4 to 6%

Inorganic Chemistry

- Metallurgy- 3 to 5%
- Periodic Table and Periodicity- 5 to 7%
- Coordination Compounds- 4 to 6%
- p to block Elements- 5 to 7%
- Chemical Bonding and Molecular Structure- 8 to 10%
- d to and f to block Elements- 4 to 6%

Note - Candidates need to note that this weightage is marked out of the previous year's analysis and is completely assumption-based. The weightage percentage may vary from year to year.