IIITH UGEE Exam Pattern

Section Name	Subject Names	Duration
Section I: SUPR (Subject Proficiency Test)	● Physics ● Chemistry ● Mathematics	1 Hour
Section II: REAP (Research Aptitude Test)	● Physics ● Chemistry ● Mathematics	2 Hour

IIIT Hyderabad UGEE Syllabus - Subject Wise

IIIT Hyderabad UGEE Physics Syllabus

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

iiit.ac.in Chemistry Syllabus

- General Chemistry
- Structure of Atom

- Electrochemistry
- Periodicity
- Solid State
- Solutions
- Classification of Elements
- Molecular Structure
- Chemical Bonding
- Surface Chemistry
- Redox Reactions
- Chemical Kinetics
- States of Matter
- Equilibrium
- Thermodynamics
- Processes of Isolation of Elements
- Coordination Compounds
- P, D, F Block Elements
- Hydrogen
- D Block Elements
- Alkali and Alkaline earth metals (S Block)
- Haloarenes
- Alcohols
- Haloalkanes
- Aldehydes
- Phenols
- Ketones
- Ethers
- General Organic Chemistry
- Carboxylic Acids
- Biomolecules
- https://www.freshersnow.com/syllabus/
- Hydrocarbons
- Environmental Chemistry
- Amines
- Chemistry in Everyday Life

IIITH UGEE Mathematics Syllabus

- Relations and Functions

- Logarithms
- Complex Numbers
- Quadratic Equations
- Sequences and Series
- Trigonometry
- Cartesian System of Rectangular Coordinates
- Straight Lines
- Circles
- Conic Sections
- Permutations and Combinations
- Vectors
- Exponential and Logarithmic Series
- Sets and Set Theory
- Statistics
- Differentiation
- Introduction to Three Dimensional Geometry
- Probability Function
- Limits and Continuity
- Applications of Derivatives
- Indefinite Integrals Binomial Theorem
- Matrices
- Determinants
- Definite Integrals