

VITEEE Syllabus

The question paper will consist of Physics, Chemistry, Mathematics/Biology and English subjects. Most of the questions asked in the examination will come from State Board of Higher Secondary Education and the CBSE syllabus. Candidates

Physics Syllabus:

- Laws of Motion & Work, Energy and Power
- Properties of Matter
- Electrostatics
- Current Electricity
- Magnetic Effects of Electric Current
- Electromagnetic Induction and Alternating Current
- Optics
- Nuclear Physics
- Dual Nature of Radiation and Atomic Physics
- Semiconductor Devices and their Applications

Chemistry Syllabus:

- Atomic Structure
- p,d and f – Block Elements
- Coordination Chemistry and Solid State Chemistry
- Thermodynamics, Chemical Equilibrium and Chemical Kinetics
- Electrochemistry
- Isomerism in Organic Compounds
- Alcohols and Ethers
- Carbonyl Compounds
- Carboxylic Acids and their derivatives
- Organic Nitrogen Compounds

Mathematics Syllabus:

- Applications of Matrices and Determinants
- Complex Numbers
- Analytical Geometry of two dimensions

- Vector Algebra
- Analytical Geometry of Three Dimensions
- Differential Calculus
- Integral Calculus and its Applications
- Differential Equations
- Probability Distributions
- Discrete Mathematics

English Syllabus:

- Comprehension
- English Grammar and Pronunciation

Biology Syllabus:

- Taxonomy
- Cell and Molecular Biology
- Reproduction
- Genetics and Evolution
- Human health and diseases
- Plant physiology
- Biochemistry
- Human physiology
- Biotechnology and its applications
- Biodiversity, ecology and environment

VITEEE Exam Pattern

- The question paper will have MCQ type questions. The questions will be asked from these 4 subjects- Part I Physics, Part II Chemistry, Part III Mathematics/Biology & Part IV English. The selection of pattern (Physics/ Chemistry/ Mathematics or Biology) has to be decided during slot booking.
- The applicants who opt for Physics, Chemistry & Mathematics, they will be eligible for all the B.Tech programs (15) offered at the university.
- On the other hand, the applicants opted for Physics, Chemistry & Biology will be eligible for B.Tech, Bio-Medical engineering, Biotechnology & Computer Science & Engineering (specialization in Bioinformatics) programs only.
- All the questions will be of MCQ type.

- The duration of the examination will be 2 hours & 30 minutes.
- Here you can find VITEEE Exam Pattern details:

Subject	No of Questions	Maximum Marks
Physics	40	40
Chemistry	40	40
Mathematics/Biology	40	40
English	5	5
Total	125	125

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