

Institute of Bioinformatics and Applied Biotechnology



IBAB Bengaluru Entrance Test Exam Pattern

- **Mode of Exam:** Online
- **Type of Questions:** Multiple Choice Questions
- **No. of questions:** 100
- **Marking Scheme:** The correct answer carries 2 marks and a wrong answer carries a -1 mark.

Subject	Number of Questions
Mathematics and logic	20 Questions
Physics	20 Questions
Chemistry	20 Questions
Biology	40 Questions

IBAB Bengaluru Entrance Test Syllabus

Mathematics And Logic

- Set Theory
- Model Theory
- Recursion Theory
- Proof Theory
- Conjunction (AND)
- Disjunction (OR)
- Negation (NOT)
- Elementary Set Theory
- Propositional Logic
- First-Order Logic
- Applications of the Compactness Theorem
- Logical Axioms

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Physics

- Physics and Measurement
- Laws of Motion
- Rotational Motion
- Properties of Solids & Liquids
- Kinetic Theory of Gases
- Kinematics
- Work, Energy, and Power
- Thermodynamics
- Oscillations and Waves
- Electrostatics
- Magnetic Effects of Current and Magnetism
- <https://exams.freshersnow.com/>
- Electromagnetic Waves
- Dual Nature of Matter & Radiation
- Electronic Devices
- Current Electricity
- Electromagnetic Induction & Alternating Currents
- Optics
- Atoms and Nuclei
- Communication Systems

Chemistry

- Some basic concepts of Chemistry
- Solid State
- Electrochemistry
- Coordination Compounds
- Hydrogen
- Redox Reactions
- Thermodynamics
- Chemical Bonding and Molecular Structure
- Chemical Kinetics
- Surface Chemistry
- Equilibrium
- Some p- Block elements
- Organic Chemistry- Some basic principles and techniques

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- Hydrocarbons
- Environmental Chemistry
- Organic Compounds containing Nitrogen
- Biomolecules, Polymers, and Chemistry in everyday life

Biology

- Diversity in the Living World
- Structural Organization - Plants and Animals
- Cell Structure and Function
- Plant Physiology
- Human Physiology
- Reproduction
- Ecology and Environment
- Biology and Human Welfare
- Genetics and Evolution
- Biotechnology and its applications