

Banasthali University Entrance Exam Pattern

Banasthali University Aptitude Test Pattern - B.Tech, B.Pharm

Subject Name	Questions	Duration
Physics and Chemistry	40	60 Minutes
Mathematics / Biology	40	60 Minutes
Logical Reasoning	20	30 Minutes
Total	100 Questions	150 Minutes

Banasthali University Entrance Exam Pattern - LLM

Subject Name	Questions	Marks
Section A: English Communication	20	20
Section B: Current Legal Affairs	20	20
Section C: Legal courses - I	25	25
Section D: Legal courses - II	25	25
Section E: Legal Writing Skill Test	2	10
Total	92 Questions	100 Marks

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Banasthali University Entrance Exam Pattern - M.Sc Biotechnology

Section Names	Subject Name	Questions
Section A	Biology	100
Section B	Chemistry	100
Total		200 Questions

Banasthali University Entrance Exam Pattern - MBA

Section Names	Subject Name	Questions
Section A	Language Comprehension (English & Hindi)	50
Section B	Mathematical Skills	50
Section C	Data Analysis & Sufficiency	50
Section D	Intelligence & Critical Reasoning	50
Total		200 Questions

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Banasthali University Entrance Exam Pattern - B.Des

Section Names	Subject Name	Weightage
Section A	Aptitude Test	40%
Section B	Personality Inventory	60%

Banasthali University Entrance Exam Pattern - B.Ed

Section Names	Subject Name	Questions - Marks
Section A	Educational Awareness	30 - 30
Section B	Reasoning Ability	40 - 40
Section C	Reading Comprehension	15 - 30
Total		85 Questions - 100 Marks

Banasthali University Entrance Exam Pattern - M.A.

Section Names	Questions
Group A: For all candidates	30
Group B: For aspirants from degree courses of textile design, clothing and textile and textile engineering	20
Group C: For candidates from degree courses of drawing and painting	30

For M.A. (English/ Music and Drawing, Painting)

- Applicants who are interested in M.A. Music have to attend a practical performance of one slow khyal and one fast khyal with tabla and must have basic knowledge of Music.
- The candidates who applied for M.A. English will appear for the written test of 70 marks and get 2 hours 30 minutes and there will be viva-voce for 30 marks.

Banasthali University Entrance Exam Syllabus - Subject Wise

Physics

- 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

Chemistry

- 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
- <https://www.freshersnow.com/syllabus/>
- 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
- Hydrocarbons
- Environmental Chemistry
- Amines
- Chemistry in Everyday Life

Mathematics

- 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

Biology

- Embryology of angiosperms
- Plant Physiology
- Biochemistry
- Plant growth and growth hormones
- Ecology
- Pteridophyte
- Gymnosperm
- Morphology of Angiosperm
- Anatomy
- Algae, Fungi
- Plant Diseases
- Viruses
- Bacteria
- Bryophytes
- Plant Succession
- Environmental Pollution
- Cell Biology

Reasoning

- Mirror Images
- Grouping Identical Figures
- Figure Matrix Questions
- Problem on Age Calculation

- Decision Making
- Inference
- Analogy
- NonVerbal Series
- Test of Direction Sense
- Number Series
- Alphabet Series
- Arguments
- Ven Diagram
- Blood Relations
- Coding and Decoding
- Number Ranking
- Arithmetical Reasoning

English

- Idioms and Phrases
- Sentence Improvement
- Synonyms
- Sentence Arrangement
- Substitution
- Prepositions
- Antonyms
- Fill in the blanks
- Passage Completion
- Spotting Errors
- Substitution
- Sentence
- Active and Passive Voice
- Completion
- Spelling Test
- Error Correction (Underlined Part)
- Transformation
- Para Completion
- Joining Sentences
- Error Correction (Phrase in Bold)

Aptitude

- Time and Work Partnership

- Ratio and Proportion
- Boats and Streams
- Simple Interest
- Time and Distance
- Problems on Trains
- Areas
- Races and Games
- Numbers and Ages
- Mixtures and Allegations
- Mensuration
- Permutations and Combinations
- Problems on L.C.M and H.C.F
- Pipes and Cisterns
- Percentages
- Simple Equations
- Problems on Numbers
- Averages
- Indices and Surds
- Compound Interest
- Volumes
- Odd Man Out
- Quadratic Equations
- Probability
- Profit and Loss
- Simplification and Approximation