

Get Ready to Crack CSIR-JRF Through GATE (Detailed) Syllabus)

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CSIR JRF Through GATE Syllabus

CSIR JRF Through GATE: Syllabus for Biotechnology

Candidates can check the syllabus for Biotechnology here.

Section	Topics
Section 1 Section 2	Engineering Mathematics Linear Algebra Calculus Differential Equations Probability and Statistics Numerical Methods
	 Biochemistry Microbiology Immunology
Section 3	Genetics, Cellular, and Molecular Biology
Section 4	Fundamentals of Biological Engineering
Section 5	Bioprocess Engineering and Process Biotechnology



CSIR JRF Through GATE: Syllabus for Chemical Science

Candidates can check the syllabus for Chemical Science here.

Section	Topics
Section 1	 Physical Chemistry Structure Equilibrium Kinetics Surfaces and Interfaces
Section 2	 Inorganic Chemistry Main Group Elements Transition Elements Lanthanides and Actinides Organometallics Radioactivity Bioinorganic Chemistry Solids Instrumental Methods of Analysis
Section 3	 Organic Chemistry Stereochemistry Reaction Mechanisms Organic Synthesis Pericyclic Reactions and Photochemistry Heterocyclic Compounds Biomolecules Spectroscopy



CSIR JRF Through GATE: Syllabus for Physical Science

Candidates can check the syllabus for Physical Science here.

Section	Topics
Section 1	Mathematical Physics Vector Calculus
Section 2	 Classical Mechanics Lagrangian formulation The special theory of relativity
Section 3	Electromagnetic Theory
Section 4	Quantum Mechanics
Section 5	Thermodynamics and Statistical Physics
Section 6	Atomic and Molecular Physics
Section 7	Solid State Physics
Section 8	Electronics
Section 9	Nuclear and Particle Physics



CSIR JRF Through GATE: Syllabus for Computer Science

Candidates can check the syllabus for Computer Science here.

Section	Topics
Section 1	 Engineering Mathematics Discrete Mathematics Linear Algebra Calculus Probability
Section 2	Digital Logic
Section 3	Computer Organization and Architecture
Section 4	Programming and Data Structures
Section 5	Algorithms
Section 6	Theory of Computation
Section 7	Compiler Design
Section 8	Operating System
Section 9	Databases
Section 10	Computer Networks