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CUSAT CAT 2025 Syllabus PDF

Cochin University of Science and Technology Common Admission Test
(CUSAT CAT)

CUSAT 2025 Syllabus for Physics

Physics and Measurement	Kinematics
Laws of Motion	Work, Energy and Power
Gravitation	Properties of Solids and Liquids
Oscillations and Waves	Electrostatics
Magnetic Effects of Current and Magnetism	Electromagnetic Induction and Alternating Currents
Dual Nature of Matter and Radiation	Atoms and Nuclei
Electronic Devices	Communication Systems

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CUSAT CAT 2025 Syllabus for Chemistry

Some Basic Concepts in Chemistry	States of Matter
Atomic Structure	Chemical Bonding and Molecular Structure
Chemical Thermodynamics	Solutions
Chemical Kinetics	Hydrogen
Block Elements (Alkali and Alkaline Earth Metals)	Co-ordination Compounds
Environmental Chemistry	Some Basic Principles of Organic Chemistry
Hydrocarbons	Polymers
Bio-Molecules	Chemistry in everyday life
Gaseous and Liquid States	Extractive Metallurgy
Energetic	Electrochemistry
Chemical Kinetics	Chemical Equilibrium
Carbohydrates	Atomic Structure and Chemical Bonding
Amino acids and Peptides	

CUSAT CAT 2025 Syllabus for Mathematics

Sets, Relations and Functions	Complex Numbers and Quadratic Equations
Matrices and Determinants	Permutations and Combinations
Mathematical Induction	Sequences and Series
Limit, Continuity and Differentiability	Differential Equations
Three Dimensional Geometry	Vector Algebra

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Statistics and Probability	Trigonometry
Mathematical Reasoning	

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