

State Common Entrance Test Cell, Maharashtra State



MHT CET Syllabus

Physics

Class 11 Topics	Class 12 Topics
Motion in a plane	Circular Motion
Laws of motion	Rotational Motion
Gravitation	Oscillations
Thermal properties of matter	Gravitation
Sound	Elasticity
Optics	Electrostatics
Electrostatics	Wave Motion
Semiconductor	Magnetism
	Surface Tension
	Wave Theory of Light
	Stationary Waves
	Kinetic Theory of Gases and Radiation
	Interference and Diffraction
	Current Electricity
	Magnetic Effects of Electric Current
	Electromagnetic Inductions

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	Electrons and Photons
	Atoms, Molecules, and Nuclei
	Semiconductors
	Communication Systems

Chemistry

Class 11 Topics	Class 12 Topics
Some basic concepts of Chemistry	Solid State
Structure of atom	Chemical Thermodynamics and Energetic
Chemical bonding	Electro-chemistry
Redox reactions	General Principles and Processes of Isolation
Elements of groups 1 and 2	Solutions and Colligative Properties
States of matter (Gaseous and Liquids)	Elements
Adsorption and colloids (Surface Chemistry)	p-Block elements Group 15 elements
Hydrocarbons	d and f Block Elements d-Block Elements
Basic principles of organic chemistry	Chemical Kinetics
	Coordination Compounds
	Halogen Derivatives of Alkanes (and arenes)
	Aldehydes, Ketones and Carboxylic Acids
	Organic Compounds containing Nitrogen

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	Alcohols, Phenols and Ether Alcohol
	Polymers
	Chemistry in Everyday Life
	Biomolecules Carbohydrates

Mathematics

Class 11 Topics	Class 12 Topics
Trigonometry	Mathematical Logic Statements
Straight lines	Matrices
Circle	Pair of Straight Lines
Measurement of dispersion	Circle
Probability	Line
Complex numbers	Conics
Permutation and combination	Trigonometric Functions
Function Limits and continuity	Vectors
	Three Dimensional Geometry
	Plane
	Linear Programming Problems
	Continuity
	Applications of Derivative
	Integration

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	Differentiation
	Applications of Definite Integral
	Differential Equation
	Probability Distribution
	Statistics
	Bernoulli Trials and Binomial Distribution

Biology (Botany)

Class 11 Topics	Class 12 Topics
Diversity in organisms	Genetic Basis of Inheritance
Biochemistry of cell	Gene: its nature, expression, and regulation
Plant water Relations and Mineral Nutrition	Biotechnology: Process and Application
Plant Growth and Development	Enhancement in Food Production
	Microbes in Human Welfare
	Photosynthesis
	Respiration
	Reproduction in Plants
	Organisms and Environment -I

Biology (Zoology)

Class 11 Topics	Class 12 Topics
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Organization of cell	Origin and the Evolution of Life
Animal tissues	Chromosomal Basis of Inheritance
Human nutrition	Genetic Engineering and Genomics
Human respiration	Human Health and Diseases
	Animal Husbandry
	Circulation
	Excretion and osmoregulation
	Control and Co-ordination
	Human Reproduction
	Organisms and Environment-II