

CAREERS 360

PREPARATION **Series**

MHT-CET 2025

Syllabus and Exam Pattern



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Introduction

The Maharashtra Common Entrance Test is a state level examination conducted every year for First Year Engineering and Technology degree courses. The Commissioner of State CET Cell designated as Competent Authority for conducting the MHT-CET exam and selection of candidates for admission to 4 Year Duration Full Time Undergraduate Degree courses in Engineering and Technology. Candidates willing to get admission are required to apply and appear for the Maharashtra CET exam as per the schedule. The MHT CET exam 2024 will be held for PCM and PCB.

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MHT-CET 2025 Syllabus

The CET Cell Maharashtra releases the MHT CET 2025 syllabus. As per the syllabus, approximately 20% weightage is given to Std. XI curriculum, while the 80% weightage is to Std. XII curriculum while setting the question paper. Moreover, the questions will be based on the syllabus of Maharashtra State Board of Secondary and Higher Secondary Education.

MHT CET 2025 Syllabus Candidates will have to study the whole syllabus of [Std. XII of 2024-25](#) of Physics, Chemistry, Biology and Mathematics subjects.

MHT CET 2025 Std XII Syllabus

Subject	Units of Std. XII Syllabus	PDF Download
Physics	Circular motion, Gravitation, Rotational motion, Oscillations, Elasticity, Surface tension, Wave motion, Stationary waves, Kinetic theory of gasses and Radiation, Wave theory of light, Interference and diffraction, Electrostatics, Current electricity, Magnetic effects of electric current, Magnetism, Electromagnetic inductions, Electrons and photons, Atoms, Molecules and Nuclei, Semiconductors, Communication systems	Physics PDF download
Chemistry	Solutions and colligative properties, Solid state, Chemical thermodynamics and energetic, Electrochemistry, Chemical kinetics, General principles and processes of isolation of elements, p-Block elements, d and f Block Elements, Coordination compounds, Halogen derivatives of alkanes, Alcohols, phenols and ethers, Aldehydes, ketones and carboxylic acids, Organic compounds containing nitrogen, Biomolecules, Polymers, Chemistry in everyday life.	Chemistry PDF download

Subject	Units of Std. XII Syllabus	PDF Download
Mathematics	Mathematical Logic, Applications of definite integral, Pair of straight lines, Applications of derivative, Matrices, Differential equation, Circle, Applications of definite integral, Integration, Trigonometric functions, Conic, Statistics, Probability distribution, Vectors, Linear programming problems, Bernoulli trials and Binomial distribution, Three-dimensional geometry, Line, Plane, Differentiation, Continuity	Mathematics PDF Download
Biology	Genetics and Evolution, Biotechnology and its application, Enhancement in Food Production, Microbes in Human Welfare, Plant Physiology, Reproduction in Plants, Habitat and Niche, Zoology, Genetics and Evolution, Genetic Engineering and Genomics, Human Health and Diseases, Animal Husbandry, Circulation, Excretion and osmoregulation, Control and Coordination, Human Reproduction, Ecology and Environment.	Biology PDF Download

MHT CET 2025 Std. XI Syllabus

S.No.	Subject	Chapters/Units of Std. XI Syllabus
1.	Physics	Motion in a plane, Laws of Motion, Gravitation, thermal properties of matter, Sound, Optics, Electrostatics, Semiconductors
2.	Maths	Trigonometric II, Straight Line, Circle, Measures of Description, Probability, Complex Numbers, Permutations and Combinations, Functions, Limits, Continuity
3.	Chemistry	Some basic concepts of Chemistry, Structure of atom, Chemical Bonding, Redox reactions, Elements of group 1 and 2, States of Matter (Gaseous and Liquids), Adsorption and Colloids (Surface Chemistry), Hydrocarbons, Basic principles of organic chemistry
4.	Biology	Biomolecules, Respiration and Energy Transfer, Human Nutrition, Excretion and Osmoregulation

MHT CET 2025 Exam Pattern

As per the MHT CET exam pattern 2025, the question paper will consist of 3 question papers of Multiple Choice Questions (MCQ) and each paper will be of 100 marks. There will be no negative marking, however difficulty level will be at par with the [JEE \(Main\)](#) for Mathematics, Physics, and Chemistry and the difficulty level for Biology will be at par with [NEET](#). The questions will be mainly application-based.

Subject-wise Weightage in MHT CET 2025

Subject	Approximate number of questions		Marks per question	Total marks	Duration in minutes
	Class XI	Class XII			
Physics	10	40	1 mark	100	90 minutes
Chemistry	10	40			
Mathematics	10	40	2 mark	100	90 minutes