

# MHT-CET

MHT - CET is conducted by the Department of Technical Education, Maharashtra

- It facilitates admission to full time degree courses of health sciences and technical education in colleges of Maharashtra.
- It includes courses like: MBBS, BDS, BAMS, BHMS, Engineering and Technology, Pharmacy and Pharm. D.

## Syllabus for MHT-CET

### Maths

1. Measurement of Angles
2. Factorization Formulae
3. Mathematical Logic
4. Linear Inequations
5. Determinants
6. Matrices
7. Trigonometric Functions
8. Locus
9. Pair of Straight Lines
10. Circle and Conics
11. Vectors
12. Three-dimensional Geometry
13. Linear Programming Problems
14. Sets, Relations and Functions
15. Logarithms
16. Complex Numbers
17. Sequences & Series
18. Limits & Continuity
19. Differentiation
20. Applications of Derivative
21. Integration
22. Applications of Definite Integral
23. Differential Equations
24. Statistics
25. Permutations & Combinations
26. Probability & its Distribution
27. Bernoulli Trials, Binomial Theorem & its Distribution

## Physics

1. Measurements and Errors
2. Scalars and Vectors
3. Projectile Motion
4. Force
5. Friction in Solids and Liquids
6. Thermal Properties of Matter
7. Ray Optics
8. Circular Motion
9. Gravitation
10. Rotational Dynamics
11. Oscillations
12. Elasticity
13. Surface Tension
14. Sound Waves
15. Wave Motion
16. Stationary Waves
17. Kinetic Theory of Gases and Radiation
18. Wave Theory of Light
19. Interference and Diffraction
20. Electrostatics
21. Current Electricity
22. Magnetic Effects of Electric Current
23. Magnetism
24. Electromagnetic Inductions
25. Electrons and Photons
26. Atoms, Molecules and Nuclei
27. Semiconductors
28. Communication Systems

## Chemistry

1. Some Basic Concepts of Chemistry
2. States of Matter: Gases and Liquids
3. Atomic Structure
4. Periodic Table and its Classifications
5. Redox Reactions
6. Chemical and Ionic Equilibrium
7. Surface Chemistry
8. Chemical Bonding
9. Solid State
10. Solutions and Colligative Properties
11. Chemical Thermodynamics and Energetics
12. Electrochemistry
13. Chemical Kinetics
14. General Principles and Processes of Isolation of Elements
15. Hydrogen
16. S-Block Elements
17. P-Block Elements
18. D and F-Block Elements
19. Coordination Compounds
20. Basic Principles and Techniques in Organic Chemistry
21. Hydrocarbons and Aromatic Compounds
22. Haloalkanes and Haloarenes
23. Alcohols, Phenols and Ethers
24. Aldehydes, Ketones and Carboxylic Acids
25. Organic Compounds Containing Nitrogen
26. Biomolecules
27. Polymers
28. Chemistry in Everyday Life
29. Environmental Chemistry

## Exam Pattern for MHT-CET

MHT-CET consists of two papers:

**Paper 1:** Physics and Chemistry

**Paper 2:** Mathematics

<b>Paper 1</b>	
<b>Particulars</b>	<b>Details</b>
Subjects	Physics and Chemistry
Duration	90 minutes
Questions	100 (50 each)
Marking scheme	1 mark for every correct answer
Negative marking	No negative marking
<b>Paper 2</b>	
<b>Particulars</b>	<b>Details</b>
Subjects	Mathematics
Duration	90 minutes
Questions	50

Marking scheme	2 mark for every correct answer
Negative marking	No negative marking

## Eligibility Criteria for MHT-CET

### Age:

- Minimum age requirement is 17 years on or before 31st December of the year of admission.
- The age limit is 25 years for a general category candidate.
- The age limit for SC and ST category student is 30 years.

### Subjects:

- Compulsory subjects include Physics, Chemistry and Mathematics.

### Score in 12th standard or equivalent examination:

- As a general category candidate, you must have scored a minimum of 50% in your 10+2 or equivalent examination.
- As an SC, ST or OBC candidate, you must have scored a minimum of 45%.

### Education:

- You must have passed or must be appearing for your 12th standard or equivalent examination.

### Number of attempts:

- You can only attempt MHT-CET 3 times.

### Domicile

- You must have a domicile certificate of Maharashtra.

## Registration for MHT-CET

- You can register for MHT-CET online
- Submissions of the online application will begin in the first week of March, 2018
- You can go to the official MH-CET exam website to fill in the application form  
To register you must go through the following steps:

1. Registration by filling the form on the official website.
2. Complete the form by filling in personal details.
3. Upload photograph and signature.
4. Pay the application fee online
5. A confirmation page will appear, keep a copy of the same for future references.

## Application Fee for MHT-CET

Category	Fee	Bank Charges
General and OBC	Rs. 800	Rs. 60
SC, ST and PH	Rs. 600	Rs. 60

## Important Dates

### Exam Dates for MHT-CET

The tentative exam dates for MHT-CET 2018 are given below.

<b>Registration Deadlines</b>		
Submission of admission forms	14th to 23rd February, 2018	00:01 AM
Edit and update details in the Application	25th to 30th March, 2018	11:59 PM

Form		
Extended date for submitting the Application Form (With late registration fees)	7th to 10th April, 2018	3:00 PM
Online <u>Admit Cards</u> available for download	24th April to 11th May, 2018	11:59 PM
<b>Exam Dates</b>		
MHT-CET examination	11th May 2018	
<b>Result Dates</b>		
Submission of documents	2nd week of May 2018	11:59 PM
Online display of question papers	3rd week of May 2018	00:00 AM
Online display of provisional <u>Answer Keys</u>	26th May 2018	00:00 AM
Availability of scanned <u>OMR Sheets</u>	26th May to 2nd June, 2018	00:00 AM
Dates for challenging	26th to 28th May,	00:00 AM

questions	2018	
Declaration of results	4th June, 2018	00:00 AM

## Results and cut-off

### Cut-off for MHT-CET

The cutoff is based on the difficulty of the paper, the number of candidates who participated and several other factors. Students above the cut-off score are deemed 'qualified', and can participate in the [counselling procedure](#).

Here's the department-wise closing rank for MHT-CET 2017:

Department	Closing Rank
Chemical Engineering	86,527
Computer Engineering	1,02,308
Electronics and Telecommunication Engineering	1,02,386
Electronics Engineering	1,01,124
Food Engineering and Technology	87,535
Information Technology	1,02,176

<b>Department</b>	<b>Closing Rank</b>
Mechanical Engineering	1,02,447
Oil, Oleochemicals and Surfactants Technology	1,855
Polymer Engineering and Technology	1,376
Pharmaceuticals Chemistry and Technology	1,472