

# **MHT CET Exam (Maharashtra Common Entrance Test)**

## **Introduction**

The **MHT CET (Maharashtra Common Entrance Test)** is a state-level entrance examination conducted by the **State Common Entrance Test Cell, Maharashtra**. It is one of the most important exams for students seeking admission into **Engineering (B.E./B.Tech), Pharmacy (B.Pharm/Pharm.D), and Agriculture allied courses** in Maharashtra.

MHT CET is mainly attempted by students after **Class 12 (HSC)**. It tests a student's understanding of **Physics, Chemistry, Mathematics/Biology** based on the Maharashtra State Board syllabus.

## **What is MHT CET?**

MHT CET is an entrance test for admission into:

## **Courses Offered**

### **Engineering**

- B.E. / B.Tech

### **Pharmacy**

- B.Pharm
- Pharm.D

### **Other Courses (as per CET Cell)**

- Agriculture and allied courses (varies by year)

## **Conducting Body**

- **State CET Cell, Maharashtra**
- **Exam Mode: Computer Based Test (Online CBT)**

# **MHT CET Admission Process**

The admission process includes:

1. **Online Application**
2. **Hall Ticket**
3. **MHT CET Exam**
4. **Result Declaration**
5. **Merit List**
6. **CAP Round (Centralized Admission Process)**
7. **Seat Allotment**
8. **College Admission**

## **MHT CET Eligibility Criteria**

### **1) Nationality**

- Candidate must be an **Indian Citizen**

### **2) Educational Qualification**

Candidates must have passed or appeared for:

#### **For Engineering (PCM)**

- Class 12 (HSC) with:
  - Physics
  - Chemistry
  - Mathematics

#### **For Pharmacy (PCB)**

- Class 12 (HSC) with:
  - Physics
  - Chemistry
  - Biology

## Minimum Marks

- General category: **45%**
- Reserved category: **40%**

*(As per Maharashtra CET rules.)*

## MHT CET Exam Pattern

MHT CET has **3 subjects**:

- Physics
- Chemistry
- Mathematics OR Biology (depending on course)

## MHT CET Paper Structure

The question paper is divided into **2 sections** in each subject:

### Section 1

- Easy to moderate level

### Section 2

- Moderate to difficult level

## MHT CET Marking Scheme

✓ **No Negative Marking**

### For Physics & Chemistry

- Each question: **1 mark**

### For Mathematics

- Each question: **2 marks**

### **For Biology**

- Each question: **1 mark**

## **MHT CET Total Marks**

### **PCM Group**

- Physics: 100 marks
- Chemistry: 100 marks
- Mathematics: 100 marks

**Total: 300 marks**

### **PCB Group**

- Physics: 100 marks
- Chemistry: 100 marks
- Biology: 100 marks

**Total: 300 marks**

## **MHT CET Exam Duration**

- Total time: **180 minutes (3 hours)**
- PCM / PCB: same duration

## **MHT CET Syllabus**

MHT CET syllabus is based on:

- **Class 11: 20% weightage**
- **Class 12: 80% weightage**

### **Subjects**

- Physics

- Chemistry
- Mathematics
- Biology

The syllabus mainly follows:

- Maharashtra State Board (HSC)

## **MHT CET Subject-Wise Syllabus (Brief)**

### **Physics**

- Laws of motion
- Work, energy and power
- Gravitation
- Thermodynamics
- Waves
- Electrostatics
- Current electricity
- Magnetism
- Optics
- Modern physics

### **Chemistry**

#### **Physical Chemistry**

- Solutions
- Chemical kinetics
- Thermodynamics

#### **Organic Chemistry**

- Hydrocarbons
- Alcohols, phenols, ethers
- Aldehydes, ketones, carboxylic acids
- Polymers

#### **Inorganic Chemistry**

- Periodic table
- Chemical bonding

- Coordination compounds
- d-block and f-block elements

## Mathematics

- Trigonometry
- Matrices and determinants
- Probability
- Integration and differentiation
- Vectors and 3D geometry
- Complex numbers
- Linear programming

## Biology

- Human physiology
- Genetics
- Ecology
- Biotechnology
- Plant physiology
- Reproduction

# MHT CET Difficulty Level

MHT CET is considered:

- Moderate to tough
- More concept-based than rote learning
- Requires speed and accuracy

# MHT CET Cut-Off

Cut-offs depend on:

- Number of candidates
- Difficulty level
- Number of seats
- Category
- College preference

Top colleges like **COEP, VJTI, SPIT, ICT, PICT** generally have higher cut-offs.

## **How to Prepare for MHT CET**

### **1) Follow State Board Textbooks**

- Most questions come from Maharashtra HSC books.

### **2) Focus on Class 12**

- 80% syllabus is from Class 12.

### **3) Practice MCQs Daily**

- Speed matters a lot.

### **4) Solve Previous Year Papers**

- Helps understand pattern and repeated questions.

### **5) Take Mock Tests**

- Improves time management.

### **6) Revise Regularly**

- Revision is key for formula-based subjects.

## **How EMGC Coaching Can Help for MHT CET**

EMGC provides complete preparation for MHT CET with:

- Experienced faculty
- Topic-wise teaching
- Daily MCQ practice
- Regular mock tests
- Doubt-solving sessions

- Performance tracking
- Exam-oriented notes

EMGC helps students strengthen concepts, improve accuracy, and score high to secure admission in top colleges in Maharashtra.

## Conclusion

MHT CET is a highly important exam for students aiming for engineering and pharmacy admissions in Maharashtra. With a proper study plan, strong basics, daily practice, and mock tests, students can score excellent marks and secure admission into top colleges.