

# ENGINEERING ENTRANCE EXAM

## MHT-CET

The Commissioner of State CET Cell, has been designed as competent authority for conducting MHT-CET and selection of candidates for admission to under graduate degree courses in Engineering & Pharmacy.

### **Eligibility For Admission to Engineering / Technology, Pharmacy**

All the candidates passed / appearing at the qualifying examination i.e HSC/12<sup>th</sup> Standard examination or its equivalent examination and having Indian Nationality are eligible for appearing for MHT-CET. There is no age limit for admission and appearing to MHT-CET.

#### **A) Candidature Type :**

- 1) Maharashtra State Candidature :- A candidates can claim only one type of Maharashtra State Candidature Type i.e. from Type A to E

Type	Eligibility Criterion	Home University
<b>A</b>	i) Candidates passing SSC and also HSC or Diploma in Engineering or Bachelor of Science Examination from a recognized institution in Maharashtra State. ii) Candidates who is either Domicile of Maharashtra and / or is born in Maharashtra	Place of passing of Qualifying Examination falling within the jurisdiction of the respective University area.
<b>B</b>	A Candidate who does not fall in Type – A above, but who or whose Father or Mother is domiciled in the State of Maharashtra and possess Domicile Certificate.	Place of Domicile Certificate issuing authority falling within the jurisdiction of the respective university area.
<b>C</b>	A Candidate who does not fall in either Type-A or Type-B but whose Father or Mother is an employee of the Government of India or Government of India Undertaking and who has been posted and reported to duty in Maharashtra State before the last date for submission of Application Form for CAP.	Place of posting of Father or Mother of Candidate falling within the jurisdiction of the respective University area.
<b>D</b>	Candidate who does not fall in any of the above Type-A, Type B and Type-C but whose Father or Mother is an employee or retired employee of the Government of Maharashtra or Government of Maharashtra Undertaking.	Place of posting of Father or Mother of Candidate or the place of settlement of the Father or Mother if retired or the place of last posting if deputed outside Maharashtra falling within the jurisdiction of the respective University area.
<b>E</b>	Candidates passing SSC and/or HSC Examination from a recognised institution located in a disputed Maharashtra Karnataka Border Area and whose Mother tongue is Marathi.	Candidate shall be considered for the Outside Home University or State Level Seats.

**(2) All India Candidature.** -The Candidates having Indian Nationality are eligible under this Category.

**(3) Minority Candidature** - The Candidate belonging to a particular Linguistic or Religious Minority Community from State of Maharashtra and as notified by the Government are eligible under this Category.

**(B) Eligibility Criteria:**

Year and Course	Eligibility conditions and requirements for admissions
First Year - Engineering / Technology	<p><b>(1) Maharashtra State Candidature Candidate. -</b></p> <p>(i) The Candidate should be an Indian National;</p> <p>(ii) Passed HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical or Vocational subjects, and obtained at least required percentage of marks (as notified by the Government from time to time) in the above subjects taken together;</p> <p>(iii) Obtained score in MHT-CET conducted by the Competent Authority.</p> <p><b>(2) All India Candidature Candidates, Jammu and Kashmir Migrant Candidature Candidates.-</b></p> <p>(i) The Candidate should be an Indian National;</p> <p>(ii) Passed HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical or Vocational subjects and obtained at least required percentage of marks (as notified by the Government from time to time) in the above subjects taken together;</p> <p>(iii) Obtained score in JEE(Main) Paper I or MHT-CET.</p>

**Syllabus of Examination:** Syllabi of Physics, Chemistry, Mathematics and Biology for the MHTCET 2017 will be the same as for the current year for HSC (12<sup>th</sup> Standard) Examination (i.e March 2017) of HSC Board of Maharashtra.

**Time & duration of Examination:** There will be three papers of one and half hours each. Schedule of examination is given in the Information brochure.

**Language of Question Paper:** The medium for examination shall be English or Marathi or Urdu for Physics, Chemistry and Biology. However, Mathematics paper shall be in English only. The option once exercised about the medium by the candidate shall be irrevocable.

**Examination Centre:** The MHT-CET 2017 will be conducted at all the district headquarters in the State of Maharashtra. The MHT-CET examination center will be within the same district from where the candidate has passed / is appearing at the qualifying examination i.e. HSC / 12<sup>th</sup> Standard examination. The eligible candidates passing qualifying examination from outside the state of Maharashtra can select the examination center of their choice while filling the online application form. The center once allotted shall not be changed under any circumstances.

**Exam Pattern**

PAPER	SUBJECT	NO. OF MCQ.	MAXIMUM MARKS	TOTAL MARKS	DURATION
I	Mathematics	50	2	100	10.00am to 11.30pm
II	Physics	50	1	50	12.30pm to 02.00pm
	Chemistry	50	1	50	
III	Biology	100	1	100	03.00pm to 04.30pm

For More Details Please visit : <http://www.dtemaharashtra.gov.in/mhtcet2017>

## **JEE-MAIN (Joint Entrance Examination - Main)**

For the candidates to qualify for the admission in the IITs / NITs / IIITs and such other CFTIs whose admissions are based on the JEE-Advanced / JEE-Main ranks, they should have secured at least 75% marks in the 12<sup>th</sup> class examination conducted by the respective boards, For SC/ST students the qualifying marks would be 65% in the 12<sup>th</sup> class examination.

### **Mode of Examination**

The Paper-1 (B.E./B. Tech.) (described below) of JEE (Main) will be conducted in two separate modes i.e. Offline (Pen and Paper Based Examination) mode and Online (Computer Based Examination) mode. The Paper-2 (B. Arch./ B. Planning.) of JEE (Main) will be conducted only in Pen and Paper based examination mode. A candidate will opt for either Pen and Paper Based or Computer Based examination modes for Paper-1 (B. E./B. Tech.) only.

### **Type of Examination**

JEE (Main) – 2017 shall have two papers, Paper-1 (B. E. / B. Tech.) and Paper-2 (B. Arch. / B. Planning.). Candidates may take Paper-1 (B. E. / B. Tech.), or Paper-2 (B. Arch. / B. Planning.), or both as per the course(s) they are seeking admission to. Subject combinations for each paper, type of questions in each paper and mode of examination available is given in the table below.

<b>PAPER</b>	<b>SUBJECTS</b>	<b>TYPE OF QUESTIONS</b>	<b>MODE OF EXAM</b>
Paper 1 (B.E./ B. Tech.)	Physics, Chemistry & Mathematics	Objective type with equal weightage to Physics, Chemistry & Mathematics	Pen and Paper based <b>OR</b> Computer based
Paper 2 (B.Arch./ B.Planning)	Mathematics – Part I Aptitude Test – Part II & Drawing Test – Part III	Objective type Objective type Questions to test drawing aptitude	Only Pen and Paper based

Requirement of papers for different courses is given in the table below.

<b>COURSE</b>	<b>PAPER</b>
All other undergraduate courses (B.E. /B. Tech.)	Paper –1
B.ARCH/B. PLANNING(At Institutions other than IITs)	Paper –2

### **JEE-Main Paper – I Exam Pattern**

<b>PAPER</b>	<b>SUBJECT</b>	<b>NO. OF MCQ.</b>	<b>MAXIMUM MARKS</b>	<b>TOTAL MARKS</b>	<b>DURATION</b>
I	Physics	30	4	120	09.30pm to 12.30pm
	Chemistry	30	4	120	
	Mathematics	30	4	120	
	<b>TOTAL</b>	<b>90</b>	<b>4</b>	<b>360</b>	

For More Details Please visit : <http://jeemain.nic.in>

## **JEE-ADVANCED (Joint Entrance Examination - ADVANCED)**

The Joint Entrance Examination (JEE-Advanced) will be conducted by the seven zonal coordinating IITs under the guidance of Joint Admission Board (JAB). The performance of a candidate in this examination will form the basis for admission to the Bachelor's, Integrated Master's and dual degree programs (Entry at the 10+2 level) in all the IITs. The decisions of the JAB will be final in all matters related to JEE-Advanced and admission to IITs.

### **ELIGIBILITY CRITERIA FOR INDIAN NATIONALS (including PIO/OCI) FOR APPEARING IN JEE (ADVANCED)**

- All the candidates must fulfil each and every one of the following five criteria to appear in JEE (Advanced).
- Performance in JEE (Main) : Candidates should be among the top 2,20,000 (including all categories) by scoring positive marks in Paper-1 of JEE (Main).
- The percentages of various categories are: 27% for OBC-NCL, 15% for SC, 7.5% for ST and the remaining 50.5% is OPEN for all. Within each of these four categories, 3% horizontal reservation is available for PwD (including Dyslexic) candidates.
- As shown in the following table, the usual order will be followed while choosing top 2,20,000 candidates in various categories who have scored positive marks in JEE (Main)

### **Category-wise distribution of top 2,20,000 candidates (Criterion 1)**

<b>SR. NO.</b>	<b>CATEGORY</b>	<b>Number of "Top" candidates</b>	
1	OPEN	107,767	Total 1,11,100
2	OPEN-PwD	3,333	
3	OBC-NCL	57,618	Total 59,400
4	OBC-NCL-PwD	1,782	
5	SC	32,010	Total 33,000
6	SC-PwD	990	
7	ST	16,005	Total 16,500
8	ST-PwD	495	

**Number of attempts:** A candidate can attempt JEE (Advanced) a maximum of two times in consecutive years. Therefore, candidates who appeared in JEE (Advanced) 2016 for the first time are also eligible. Candidates who wish to appear in JEE-Advanced must write paper – 1 of JEE-Main.

### **The trend of questions in papers of JEE-Advanced**

#### **JEE-Advanced : Paper I**

- Single Correct Option
- One or More than one Correct Options
- Single Digit Integer

#### **JEE-Advanced : Paper II**

- Single Correct Option
- One or More than one Correct Options
- Comprehension Type (2 paragraphs with 2 MCQs each)

For More Details : <http://www.jeeadv.ac.in>

## **OTHERS TOP ENGINEERING COLLEGES ENTRANCE EXAM**

BITSAT (Birla Institute of Technology, pilani)

VITEEE (Vellore Istitute of Technology, Vellore)

SRMJEE (SRM University, Tamilnadu)

LPUNEST (Lovely Professional University, Punjab)

MU-OET (Manipal University, Karnataka)