

# JEE Main

- The Joint Entrance Examination (JEE) is an All-India Common Entrance Exam for getting admissions into engineering colleges across India
- It is conducted in two phases: JEE Main and JEE Advanced
- If you clear the given cutoff for JEE Main, you qualify for JEE Advanced
- With a JEE Main score you can apply to institutions like NITs, IIITs and other Central or State Funded Institutes
- Whereas, IITs and ISM, Dhanbad consider results of JEE Advanced for admissions
- You can appear for JEE Main, both online and offline on the JEE Main website
- This year, IIT Kanpur will be conducting the JEE Main exam.

## Syllabus for JEE Main

### Physics

1. Physics and Measurement
2. Kinematics
3. Laws of Motion
4. Work, Energy and Power
5. Rotational Motion
6. Gravitation
7. Properties of Solid and Liquids
8. Thermodynamics
9. Kinetic Theory of Gases
10. Oscillations and Waves
11. Electrostatics
12. Current Electricity
13. Magnetic Effects of Currents and Magnetism
14. Electromagnetic Induction
15. Alternating Currents

16. Electromagnetic Waves
17. Optics
18. Dual Nature of Matter and Radiation
19. Atoms and Nuclei
20. Electronic Devices
21. Communication Systems and Experimental Skills

# Chemistry

1. Some Basic Concepts in Chemistry
2. The States of Matter
3. Atomic Structure
4. Chemical Bonding and Molecular Structure
5. Chemical Thermodynamics
6. Solutions
7. Equilibrium
8. Redox Reactions and Electrochemistry
9. Chemical Kinetics
10. Surface Chemistry
11. Classification of Elements and Periodicity in Properties
12. General Principles and Processes of Isolation of Metals
13. Hydrogen
14. S-Block Elements
15. P-Block Elements
16. D- and F-Block Elements
17. Coordination Compounds
18. Environmental Chemistry
19. Purification and Characterization of Organic Compounds
20. Some Basic Principles of Organic Chemistry

21. Hydrocarbons
22. Organic Compounds Containing Halogens
23. Organic Compounds Containing Oxygen
24. Organic Compounds Containing Nitrogen
25. Polymers
26. Biomolecules
27. Chemistry in Everyday Life
28. Principles Related to Practical Chemistry

# **Maths**

1. Sets, Relations, and Functions
2. Complex Numbers and Quadratic Equations
3. Matrices and Determinants
4. Permutations and Combinations
5. Mathematical Induction
6. Binomial Theorem and its Simple Applications
7. Sequences and Series
8. Limits Continuity and Differentiability
9. Integral Calculus
10. Differential Equations
11. Coordinate Geometry
12. Three-dimensional Geometry
13. Vector Algebra
14. Statistics and Probability
15. Trigonometry
16. Mathematical Reasoning

## Exam Pattern for JEE Main

The JEE Main 2018 Examination is divided into two parts:

- Paper 1 for B.E. and B. Tech. (Computer based or pen and paper)
- Paper 2 for B. Arch. & B. Planning (Pen and paper only)

### Paper 1

Particulars	Details
Subjects	Physics, Chemistry and Mathematics
Type of questions	Objective (MCQs)
Mode of examination	Online OR Offline mode
Exam duration	3 hours
Number of questions	90 (30 questions from each subject)
Marking scheme	4 marks awarded for each correct answer
Negative marking	1/4 marks deducted for each incorrect response

### Paper 2

Sections	Type of Question
Section 1: Mathematics	Objective (MCQs)

Section 2: Aptitude test	Objective (MCQs)
Section 3: Drawing test	-
<b>Particulars</b>	<b>Details</b>
Mode of Examination	Offline
Exam Duration	3 hours

### Language Mediums in JEE Main 2018

Exam Centres	Medium of Language
English and Hindi	All examination centres
Gujarati	Exam centres in Gujarat, Daman & Diu and Dadra & Nagar Haveli
Marathi	Exam centres in Maharashtra
Urdu	Exam centres in Maharashtra

### Eligibility Criteria for JEE Main

**Age:**

General category candidates must have been born on or after 1st October, 1993.

SC, ST and PWD candidates must have been born on or after 1st October, 1988.

**Subjects:**

You must have studied at least 5 subjects in 10+2.

Physics and Mathematics are compulsory subjects.

Chemistry, Biotechnology, Biology or Technical vocational are the other subjects to select from.

**Score in 12th standard or equivalent exam:**

General category candidates require a minimum score of least 75% or should be in the top 20 percentile in their respective 12th board or equivalent examination.

For an SC or ST candidate, the minimum score is 65%.

Here is the list of equivalent exams.

**Year of passing 12th standard or equivalent exam:**

You must have passed Class 12th or any equivalent qualifying examination in the years 2016, 2017 or 2018 (provided the results are declared before 15th June 2018).

**Aadhar Card requirement:**

You need a registered Aadhaar Card Number to be eligible to apply for JEE Main.

**Number of attempts:**

You can attempt JEE Main a maximum of 3 times.

You can attempt JEE Advanced only for 2 consecutive years.

## **Registration for JEE Main**

The JEE Main application form has to be filled online. You need to provide details such as your name, email ID, mobile number etc. You will need to choose a username and password for login.

**Step 1: Filling the application form**

Checklist while filling the form - keep the following items ready:

1. Board examination details
2. Personal details like name, email id, mobile number
3. Academic qualification (Class 12 marks or appearing date)
4. Contact details of student and guardian
5. Scanned copy of your photograph, signature and left thumb print (the specification for which are mentioned here)

Once you've filled out this information and uploaded the required documents, you need to move to the next step.

**Step 2: Choosing your exam centre.**

1. Exam centres vary, depending on whether you select the pen and paper format or computer based exam.
2. Choose a centre according to your preference.

**Step 3: Payment of fees**

1. You can pay your fees online through credit and debit cards.

- If you wish to pay it offline, you can deposit the fee in cash at Syndicate, Canara, ICICI and HDFC banks through E-Challan.

**Step 4: Confirmation page**

- This page will mention all the details you have filled out in your application form.
- Keep a copy of this page saved at all times.

**Application Fees for JEE Main**

Papers	Pen and Paper Based Exam		Computer Based Test	
	General and OBC (Boys)	SC, ST, PWD and All Girls	General and OBC (Boys)	SC, ST, PWD and All Girls
<b>For Exam Centres in India</b>				
Either Paper 1 OR 2	1000/-	500/-	500/-	250/-
Both Paper 1 AND 2	1800/-	900/-	1300/-	650/-
<b>For Exam Centres in a Foreign Country</b>				
Either Paper 1 OR 2	2500/-	1250/-	2500/-	1250/-
Both Paper 1 AND 2	3800/-	1900/-	3800/-	1900/-

## Admit Card for JEE Main

Once you've completed the registration process, you will have to download your Admit Card.

- It is **mandatory** to carry the Admit Card to the examination
- Admit Card is available only on the CBSE servers
- Only eligible candidates who have completed the registration process can download the Admit Card
- To do this, they need to enter their application number and their date of birth

### **The steps to download the JEE Main 2018 Admit Card:**

1. Go to the Admit card portal by clicking on [Server 1](#).
2. Submit the form with the information you entered during registration.
3. Your JEE Main 2018 Admit Card will be displayed on the screen.
4. Check and ensure that all the details on the Admit Card are correct and then download it.

**Note:** Take multiple printouts of your Admit Card for future reference.

## Important Dates

### Exam Dates for JEE Main

Tentative exam dates for JEE Main 2018

Registration Deadlines		
Start of online registration & submission of application form	1st December, 2017	00:01 AM
Last date for submission of application form	16th January, 2018	11:59 PM
Last date for payment of application Fees through Credit or Debit Card	17th January, 2018	11:59 PM



Last date for payment of application fees through E-Challan	18th January, 2018	11:59 PM
Admit card available	14th March, 2018	00:00 AM
<b>Exam Dates</b>		
Offline JEE Main 2018 Exam - Paper 1	2nd April, 2018	9:30 AM to 12:30 PM
Offline JEE Main 2018 Exam - Paper 2	2nd April, 2018	2:00 PM to 5:00 PM
Online JEE Main 2018 Exam	8th to 9th April, 2018	Phase 1: 9:30 am to 12:30 pm Phase 2: 2:00 pm to 5:00 pm
<b>Result Dates</b>		
Answer Key and OMR Sheet Declaration	18th to 22th April, 2018	
Acceptance of Challenge to Answer Keys (Rs. 1000/question)	22nd April, 2018	Upto 5:00 PM
Paper 1 - Result Declaration (Scores and AIR)	27th April, 2018	
Paper 2 - Result Declaration	26th May, 2018	

## Exam Schedule for JEE Main

The schedule for the JEE Main 2018 Offline Exam, conducted on 2nd April, 2018, was as follows:

### Exam schedule for Paper 1

Tentative exam dates for JEE Main 2018

<b>Paper 1</b>		
<b>Schedule</b>	<b>Offline Exam</b>	<b>Online Exam</b>
Entry in the exam centre	8:00 AM	8:00 AM
Entry in the exam hall	9:00 AM	9:00 AM
Distribution of test paper	9:20 AM	-
Last entry in the exam hall	9:30 AM	9:30 AM
Commencement of the test	9:30 AM	9:30 AM
Conclusion of the test	12:30 AM	12:30 AM

## Exam schedule for Paper 2

<b>Paper 2</b>		
<b>Schedule</b>	<b>Offline Exam</b>	<b>Online Exam</b>
Entry in the exam centre	1:00 PM	1:00 PM
Entry in the exam hall	1:30 PM	1:30 PM
Distribution of test paper	1:50 PM	-
Last entry in the exam hall	2:00 PM	2:00 PM
Commencement of the test	2:00 PM	2:00 PM
Conclusion of the test	5:00 PM	5:00 PM

## Results and Cut-off

### Answer Key for JEE Main

- The official answer key is released soon after the exam
- You can compare your answers and predict your score
- You can even challenge the answer key if you believe the answer is incorrect or has more than one correct answer

- To challenge the answer key, you need to pay a fee of Rs.1000 for each question you challenge  
Here is how you can challenge the answer key.

## Rank Predictor for JEE Main

The rank predictor helps you guess your rank before the official results are declared, in order to shortlist colleges that might admit you on the basis of your rank. The All India Rank in JEE Main 2018 is calculated on the basis of your JEE Main 2018 result only and not the 12th standard percentile.

**Note:** These estimated ranks may not be 100% accurate.  
Find out your own rank in JEE Main 2018.

## Results for JEE Main

Your JEE Main result indicates whether you are eligible for JEE Advanced or not. Follow these simple steps to check your result for JEE Main:

1. Keep your admit card ready.
2. Click on the link to access your JEE Main 2018 result.
3. Enter your JEE Main roll number and date of birth.
4. Click on the 'Submit' tab.
5. Your JEE Main score and All India Rank (AIR) will be reflected on the screen.

Download your score card from the link provided on the same page itself.

In case of a tie, take a look at the Tie-breaking Criteria for Paper 1 here.

## Cut-off for JEE Main

The JEE Main cut-off indicates the closing ranks or minimum scores that you need to score to qualify for JEE Advanced . Candidates who don't meet the cut-off will be considered ineligible.

## JEE Main 2017 Category-wise Cut-off

Category	Cut-Off
General	81
OBC - NCL	49
SC	32
ST	27
PWD	1

Check out the opening and closing ranks for some of the best colleges for JEE Main.

### Rank List for JEE Main

The JEE Main 2018 rank list reflects the All India Ranks (AIRs) and the respective category ranks of the candidates.

- You can download your rank card after you've checked your JEE Main 2018 results
- A separate rank list is prepared for B. Arch. and B. Planning which is declared after the results of Paper 1

Here are the steps to download the JEE Main 2018 Rank List:

1. Visit the JEE Main official website.
2. Enter your JEE Main 2018 roll number and date of birth.
3. Click on the 'Submit' tab.
4. The JEE Main 2018 rank list will appear on the computer screen.
5. Check the JEE Main 2018 rank and save it for future reference.