

JEE Mains Exam Details

Joint Entrance Examination (JEE) Main exam is conducted by the NTA (National Testing Agency) for admission in B.E, B.Tech, B.Arch, and B.Planning courses. The candidates can get admission to the top institutes across the country. It is also the qualifying exam for JEE (Advanced) exam, which is taken for admission to the prestigious IITs. The **JEE Main 2023** exam consists of two papers –

Paper 1 is for admission in B.Tech/B.E courses, and

Paper 2 The second paper of the JEE Main 2023 further has two parts - 2A is for B.Arch courses, and 2B is for B.Plan courses

JEE Main Exam Pattern for B.Tech/B.E. (Paper 1)

Total Time	3 hr
Mode of Exam	Online
No of Subject	<ol style="list-style-type: none">1. Physics2. Chemistry3. Mathematics
No of Section	Section (A) Section (B)
Total no of Questions	90 60 in Section A (20 from each subject) 30 in Section B (10 from each subject)
Total no of compulsory questions	75 60 from Section A 15 from Section B (5 from each subject)
Type of Questions	Section A- Multiple choice questions (60 questions) Section B- Numerical-based questions (30 questions)
Marking System	+4 marks for each correct answer, -1 mark for each wrong answer, and 0 marks for each unattempted answer.

Total marks	300
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JEE Main Exam Pattern for B.Arch and B.Plan (Paper 2)

JEE Main exam Paper 2 pattern is different for B.Arch and B.Planning. However, candidates get 3 hours for both these papers.

For B.Arch (Paper 2A):- The exam for B.Arch is held in online and offline mode. The Aptitude and Mathematics test is conducted in online mode, and the Art or Structure Drawing test is held in pen and paper or offline mode.

- Only 2 questions are asked from the drawing section, which assesses the drawing skills of the candidates.
- 20 MCQs and 10 numerical questions are asked in the Mathematics section
- 50 questions are asked in the Aptitude section.

For B.Plan (Paper 2B):- The exam for B.Arch is conducted in online mode. Questions are asked from 3 subjects, namely Planning, Mathematics, and Aptitude.

- 25 questions are asked in the planning section.
- 20 MCQs and 10 numerical questions are asked in the Mathematics section.
- 50 questions are asked in the Aptitude section.

Total Time	3 hr
Mode of Exam	Paper 2A: Online and Offline Paper 2B: Online
No of Subject	Paper 2A: Mathematics Aptitude test

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	<p>Drawing test</p> <p>Paper 2B: Mathematics</p> <p>Aptitude test</p> <p>Planning test</p>
Total no of Questions	<p>Paper 2A: 82 Questions</p> <p>Paper 2B: 105 Questions</p>
Total no of compulsory questions	<p>Paper 2A: 77</p> <p>Paper 2B: 100</p>
Question type	<p>Section A- Multiple choice questions (60 questions)</p> <p>Section B- Numerical-based questions (30 questions)</p>
Mark distribution	<p>Paper 2A: +4 marks for each correct answer, -1 mark for each wrong answer, and 0 marks for each unattempted answer.</p> <p>For the Drawing Test, 50 marks for each of the 2 questions</p>
Max marks	400 marks for each paper

JEE Main Exam Pattern: Marking Scheme for BE/B.Tech & B.Arch/B.Plan

Paper 1 (BE/B.Tech)

The total marks for JEE Main exam Paper 1 are 300. For every correct response, 4 marks are rewarded. For every wrong response, 1 mark is deducted. No marks are deducted for unattempted questions. In the Mathematics, Physics, and Chemistry section, a maximum of 100 marks are rewarded for all 25 questions. There are a total of 75 questions to be attempted, which equals $75 \times 4 = 300$ marks.

Paper 2 (B.Arch/B.Planning)

The total marks for JEE Main exam Paper 2 are 800, which means 400 marks each for B.Arch (2A) and B.Plan (2B). For every correct response, 4 marks are rewarded. For every wrong response, 1 mark is deducted. No marks are deducted for unattempted questions.

Paper 2A (B.Arch)

In the drawing section, a maximum of 50 marks are awarded for each of the 2 drawing questions- which equals 100 marks. In the Mathematics section, a maximum of 4 marks are awarded for each of the 25 questions to be attempted out of 30 questions - which equals 100 marks. In the Aptitude section, 4 marks are awarded for each of the 50 questions - a maximum of 200 marks.

Paper 2B (B.Plan)

In the planning-based section, 4 marks are awarded for each of the 25 questions - which equals 100 marks. In the Mathematics section, a maximum of 4 marks are rewarded for each of the 25 questions - which equals 100 marks. In the Aptitude section, 4 marks are rewarded for each of the 50 questions- a maximum of 200 marks.

JEE Main Exam Pattern: Total Number of Questions

JEE Main Exam Paper

JEE Main Exam Paper 1 consists of 90 questions. Candidates need to only attempt 75 questions, 25 questions from every section. The 5 questions that can be left will be from Section B of all three subjects. Total 15 questions can be left (5 from each physics, chemistry and mathematics)

For JEE Main Paper 2A (B.Arch), candidates are given 82 questions, where only 77 questions need to be attempted, and for B.Plan consists of 105 questions, where only 100 questions need to

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be attempted. For Paper 2, the 5 questions that can be left are from the Mathematics (Numerical section)

Important Topics in JEE Main 2023

A. Mathematics	B. Physics	C. Chemistry
<ol style="list-style-type: none">1. Vectors2. Sequence and Series3. Circles and Family of Circles4. Inverse Trigonometric Functions5. Probability6. Matrices7. Complex Numbers8. Quadratic equations and expressions9. Parabola10. Functions11. Hyperbola in Coordinate Geometry12. Continuity and Differentiability13. Limits14. Definite Integral in Calculus15. Application of derivations	<ol style="list-style-type: none">1. Current Electricity and Heat Transfer2. Gravitational and Electro-Statics3. Dimensional Analysis4. Thermodynamics5. Waves and sounds6. Geometrical Optics7. Kinetic Theory of Gases and Rotational Dynamics8. Electromagnetic Induction	<ol style="list-style-type: none">1. Carbonyl Compounds and their derivations2. Redox reactions3. Thermodynamics4. Electrochemistry5. Mole and the concept of equivalents6. Chemical Equilibrium7. Chemical Bonding8. Coordination Chemistry9. Qualitative Analysis

Candidates can attempt the JEE Main mock tests from the official website -

<https://www.nta.ac.in/quiz>. Candidates can experience the real exam by registering and giving the exam on this website.

JEE ADVANCED

JEE Advanced is the second phase of JEE, a national-level engineering entrance examination conducted by different zonal IITs, usually on a rotational basis every year. Candidates who qualify for the JEE Mains are eligible to appear for IIT JEE Advanced. Further, students are granted admission to some of the top Indian IITs and NITs or CFITs, etc., based on ranks obtained in the JEE Advanced exam.

The exam authority for JEE advanced 2023 is IIT Guwahati. The good news for candidates is that the overall pattern of JEE Advanced remains more or less the same every year with minor changes.

JEE Advanced 2023 Exam Pattern Highlights

It is important for students to know the JEE Advanced 2023 exam highlights.

- The exam is conducted in a computer-based (online) mode.
- The JEE Advanced exam comprises two papers – Paper 1 and Paper 2. Students have to appear for both papers.
- The question paper consists of three subjects, i.e., Physics, Chemistry, and Mathematics.

For best rank student must know the exam pattern, marks distribution, questions type etc. Details of JEE Advance is given below. You can download the app **GRANTHAY EDUCATION** for more details.

Examination mode	Online
Medium of the examination	English and Hindi
Number of Papers	The exam has two papers – Paper 1 and Paper 2
Total Time	3 hr for each exams

Total no of Sections	Both Paper 1 and Paper 2 have three sections: Physics Chemistry Mathematics
Marking scheme	The exam works in full, partial in zero marking concept

MARK PATTERN**A. Paper 1**

Section	Type of questions	No. of Questions	Maximum marks
Section 1	MCQs	6	18
Section 2	Single correct option questions	6	24
Section 3	Numerical questions	6	24

Marking Pattern of Paper 1

Section	Question type	Total no of questions	Mark per question	Negative Marks	Maximum Marks
Section 1	Single correct option question	6	+3	-1	18
Section 2	Questions where two or more options are correct	6	+4	-2	24
Section 3	Numerical	6	+4	-	24

	Questions				
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B. Paper 2

Section	Type of questions	No. of Questions	Maximum marks
Section 1	MCQs	6	24
Section 2	Numerical Value Questions	6	24
Section 3	Integer answer questions	6	18

Marking Pattern of Paper 2

Section	Question type	Total no of questions	Mark per question	Negative Marks	Maximum Marks
Section 1	MCQs	6	+4	-2	24
Section 2	Numerical Questions	6	+4	-	24
Section 3	Integer Questions	6	+3	-1	18