

JEE (Joint Entrance Examination) - Jammu & Kashmir Guide

Conducting Body:

- Authority: NTA (National Testing Agency)
- Exams: JEE Main (NITs, IITs, GFTIs), JEE Advanced (IITs)
- Frequency: Twice a year (January & April)
- Mode: Online (Computer Based Test)

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

| Subject | No. of Questions | Marks |
|-----------|------------------|-------|
| Physics | 30 | 100 |
| Chemistry | 30 | 100 |
| Maths | 30 | 100 |
| Total | 90 | 300 |

Marking Scheme:

- ✓ Correct Answer = +4 marks
- Wrong Answer (MCQs) = -1 mark
- ✕ Unanswered = 0 mark

Syllabus:

Based on NCERT Class 11 & 12 Physics, Chemistry, and Mathematics.

- Physics: Kinematics, Thermodynamics, Electricity, Magnetism, Optics, Modern Physics.
- Chemistry: Mole Concept, Thermodynamics, Organic Chemistry, Coordination Compounds, etc.
- Mathematics: Algebra, Calculus, Trigonometry, Probability, Coordinate Geometry.

Eligibility for J&K; Students:

- Must have passed 10+2 (PCM) from recognized board (JKBOSE, CBSE, etc.).
- Qualifying Marks: 75% in 12th (General), 65% (Reserved), or top 20 percentile.
- Attempts: 3 consecutive years (2 sessions per year).
- Domicile: No special domicile restriction for JEE.

Cutoff Trends (J&K; Focused):

JEE Main Qualifying Percentile (for JEE Advanced):

- General: ~90–92 percentile
- OBC: ~73–75 percentile
- SC: ~51–54 percentile
- ST: ~39–42 percentile

NIT Srinagar (Home State Quota – Approx Cutoff 2024):

- CSE: ~92–94 percentile
- ECE: ~85–88 percentile
- Mechanical: ~75–80 percentile
- Civil: ~70–75 percentile

Application Process:

1. Register at jeemain.nta.nic.in
2. Fill online form, upload documents (photo, signature, marksheet)
3. Pay fee (~■1000 for Gen, ■500 for SC/ST/PwD)

4. Download Admit Card
5. Appear for online exam at allocated center (centers in Jammu, Srinagar)

Preparation Resources:

- Books:

- Physics: H.C. Verma, D.C. Pandey series
- Chemistry: NCERTs, O.P. Tandon, M.S. Chauhan (Organic)
- Maths: R.D. Sharma Objective, Cengage, Arihant

- Online:

- NTA Abhyas App (mock tests)
- YouTube: Physics Wallah, Mohit Tyagi, Unacademy JEE
- Coaching Apps: Allen Digital, FIITJEE, Aakash, Vedantu