

JKCET (Jammu & Kashmir Common Entrance Test) - Complete Guide

Conducting Body:

- Authority: JKBOPEE (Jammu & Kashmir Board of Professional Entrance Examinations)
- Mode of Exam: Offline (OMR-based, pen & paper)
- Frequency: Once a year (usually April–May)
- For Admission In: B.E. / B.Tech courses in government and private engineering colleges of J&K.;

Exam Pattern

Subject	No. of Questions	Marks
Physics	60	60
Chemistry	60	60
Maths	60	60
Total	180	180

Marking Scheme:

- ✓ Correct Answer = +1 mark
- Wrong Answer = -0.25 mark (negative marking)
- ✕ Unanswered = 0 mark

Syllabus:

The syllabus is based on NCERT Class 11 & 12 (Physics, Chemistry, Mathematics). It is almost the same as JEE Main, but with more direct NCERT-based questions.

- Physics: Units & Measurements, Kinematics, Laws of Motion, Work Power Energy, Thermodynamics, Electricity, Magnetism, Optics, Modern Physics.
- Chemistry: Physical (Mole concept, Thermodynamics, Equilibrium), Inorganic (Periodic table, Coordination Compounds), Organic (Hydrocarbons, Alcohols, Amines).
- Mathematics: Sets, Relations, Probability, Calculus, Coordinate Geometry, Algebra, Vectors, Trigonometry.

Eligibility:

- Domicile: Must be a permanent resident of J&K; or Ladakh.
- Qualification: Passed 10+2 (or appearing) with Physics, Chemistry, Mathematics.
- Minimum Marks: 50% (General), 45% (Reserved categories).
- Age Limit: Min 17 years on 31st December of exam year.

Cutoff Details:

Cutoff is not fixed – depends on number of candidates, exam difficulty, and seat availability.

General Trend:

- General Category: 70–110 marks (out of 180)
- Reserved Categories (SC/ST/OBC): 55–80 marks
- Top Govt. Colleges (e.g., GCET Jammu, SSM Srinagar): require top 500–800 rank.

Application Process:

1. Register online at jkbopee.gov.in
2. Fill application + upload documents (Domicile, 10th, 12th mark sheet, etc.)
3. Pay fee (~₹1200)
4. Download admit card before exam

Preparation Tips:

- Stick to NCERTs – 70–80% of questions are NCERT-based.
- Solve last 5–10 years JKCET papers.
- Practice mock tests (3 hours, 180 questions).
- Revise with short notes & formulas regularly.
- Focus on Class 12 syllabus more (slightly higher weightage).