WBJEE Jadavpur University Cutoffs — Last 3 Years Trend (Out of 200) Compiled by **Kunal Sir**

In WBJEE, **Mathematics carries 100 marks out of 200 (50% of the entire paper)**, while Physics and Chemistry carry 50 marks each. Jadavpur University (JU) offers the highest ROI engineering education in India (total 4-year tuition fee under ₹15,000 with ₹20+ LPA median CSE placements). Always keep a **+10 mark buffer** above the cutoff below.

Jadavpur University Branch	GMR Cutoff (24)	GMR Cutoff (25)	Safe Marks (/200)	Domicile / Category Note
JADAVPUR UNIVERSITY TOP CIRCUITAL & CORE BRANCHES (90% HOME STATE QUOTA)				
Computer Science & Engg (CSE)	Rank 112	**Rank 98**	**142 – 150+**	All-India Open cutoff ~Rank 35 (155+ marks)
Information Technology (IT)	Rank 258	**Rank 235**	**130 – 138+**	Salt Lake Campus; top software placements
Electronics & Telecomm. (ETCE)	Rank 315	**Rank 290**	**125 – 132+**	Core + VLSI + software roles
Electrical Engineering (EE)	Rank 590	**Rank 540**	**114 – 122+**	Strong PSU & core placement record
Instrumentation & Electronics (IEE)	Rank 640	**Rank 595**	**112 – 118+**	90%+ overlap with ETCE placements
Mechanical Engineering	Rank 980	**Rank 910**	**102 – 108+**	Flagship core department at JU
Chemical Engineering	Rank 1,350	**Rank 1,260**	**94 – 100+**	Safe entry for Top-7 JU departments
Production / Metallurgical / Civil	Rank 2,100	**Rank 1,950**	**82 – 90+**	Entry into Jadavpur University (~85 marks)

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How WBJEE Category 1, Category 2 & Category 3 Scoring Works

- **Category 1 (1 Mark · –0.25 Negative):** 50 Qs in Maths + 30 in Physics + 30 in Chemistry. Standard single-choice questions.
- **Category 2 (2 Marks · –0.50 Negative):** 15 Qs in Maths + 5 in Physics + 5 in Chemistry. Single-choice, high-weightage rank deciders!
- **Category 3 (2 Marks · ZERO Negative Marking):** 10 Qs in Maths + 5 in Physics + 5 in Chemistry (one or more than one correct). **Never leave any Category 3 question blank — there is zero negative marking!**

WBJEE Mathematics, Physics & Chemistry — Must Do Topics

Compiled by **Kunal Sir**

Paper 1 (Mathematics: 75 questions, 100 marks in 2 hours) is held in the morning, followed by Paper 2 (Physics + Chemistry: 80 questions, 100 marks in 2 hours). Below are the Must-Do chapters based on 2013–2025 WBJEE papers.

Subject Block	Must-Do Topics	Weightage	Expert Suggestions
1. Mathematics: Calculus (40% of Maths)	Definite Integration & Area Application of Derivatives (AOD) Limits, Continuity & Diff. Eq.	**38–42 Marks**	* **Calculus alone gives 40 marks out of 100 in Paper 1!** * Category 2 & Category 3 questions heavily test Monotonicity, Rolle's/Lagrange's MVT, and Definite Integration properties.
2. Mathematics: Coordinate Geometry & Vectors/3D	Straight Lines & Circles Parabola, Ellipse & Hyperbola Vectors & 3D Planes/Lines	**28–32 Marks**	* Unlike JEE Main, WBJEE still asks **Tangent & Normal equations of Conics and 3D Planes** heavily. Do not skip them!
3. Mathematics: Algebra & Trigonometry	Matrices, Determinants & P&C Complex Numbers, Quad & Seq. Probability & Trigonometric Eq.	**28–30 Marks**	* In Category 3 (multi-correct), check boundary values and plug small integers (n = 1, 2) to verify each option independently.
4. Physics (40 Qs · 50 Marks)	Current Elec. & Electrostatics Magnetism, EMI & Modern Physics Thermodynamics, Optics & Rotation	**50 Marks**	* Electromagnetism + Modern Physics + Heat & Optics cover 68% of WBJEE Physics. Focus on Category 2 (2-mark) numericals.
5. Chemistry (40 Qs · 50 Marks)	GOC, Named Rxns & Isomerism Chemical Bonding & Coordination Electrochem, Kinetics & Thermo	**50 Marks**	* Finish all 40 Chemistry questions in 40 minutes in Paper 2 so you get 80 full minutes for the 40 Physics questions!

WBJEE Paper-Attempting Rule: Attempt all 20 Category-3 questions (40 marks) — they have **zero negative marking**!

Practice Top PYQs on Crucible ↗