JEE MAIN 2027

From Confusion to a Clear Master Roadmap.



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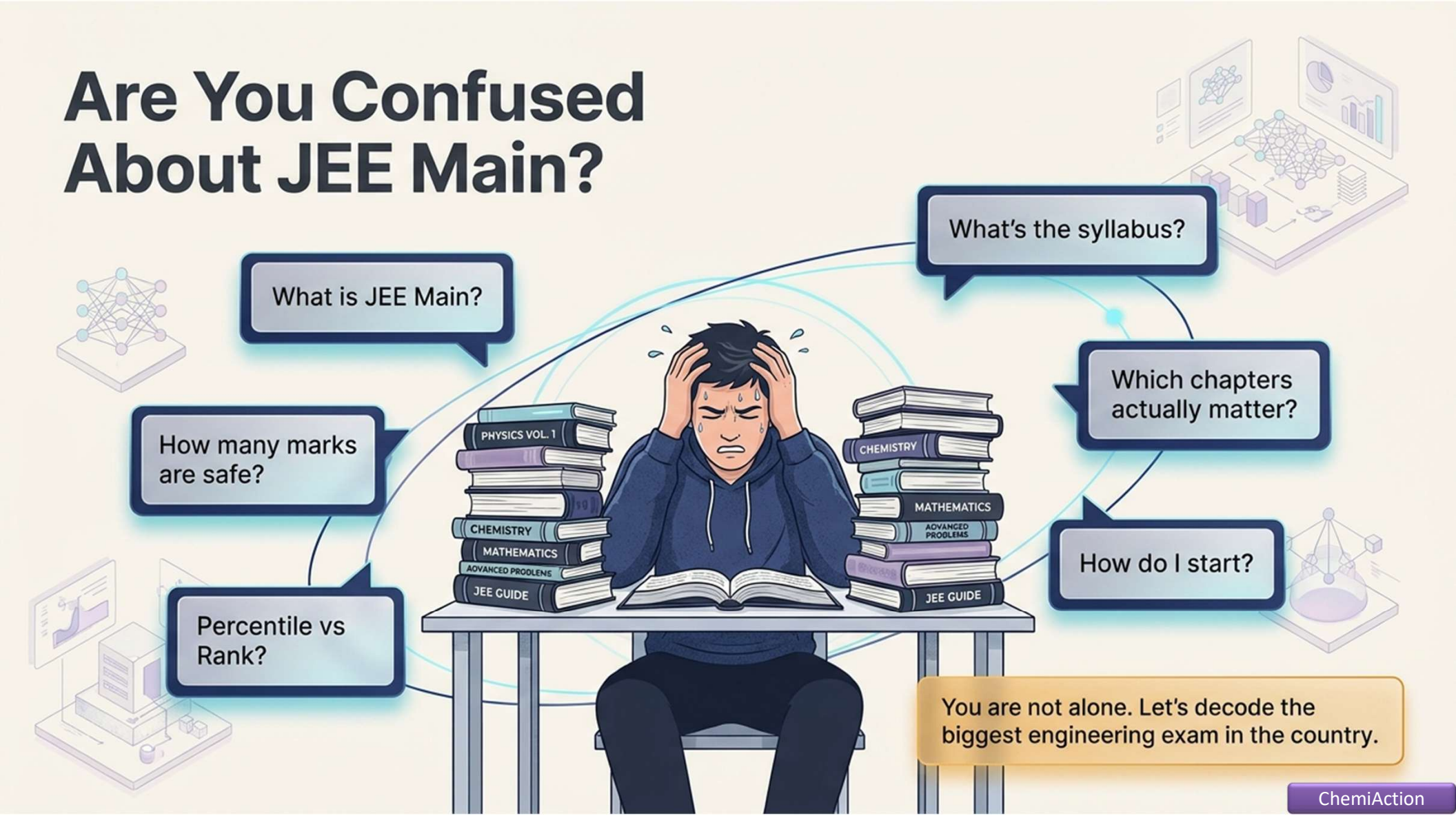
Are You Confused About JEE Main?



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This Guide Will Clear It All.



The Master Roadmap

Follow the path to clarity.

- JEE Main Exam
- Syllabus Blueprint
- Exam Pattern
- High-Yield Weightage
- Preparation Strategy
- Percentile & Rank
- College Counselling

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The Gateway to Your Future



The Conductor:
Administered by the **National Testing Agency (NTA).**

The Goal:
Paper 1 is specifically for **B.E. / B.Tech (Engineering)** admissions.

The Dual Purpose:
It secures admission into premium institutes AND acts as the strict qualifying filter for the ultimate test—JEE Advanced.

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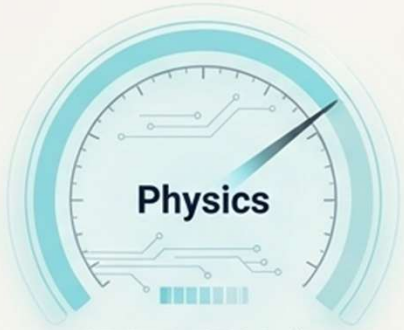
The Battlefield: Paper 1 Pattern



25 Qs / 100 Marks



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25 Qs / 100 Marks



Scoring System

1	2	3
✓ Correct: +4	✗ Incorrect: -1	○ Unanswered: 0

Total 75 Questions | Maximum **300 Marks**. Recent pattern includes 20 MCQs + 5 numerical-answer questions per subject.

Mode: Computer Based Test (CBT) - You will take this exam on a computer at a designated center.

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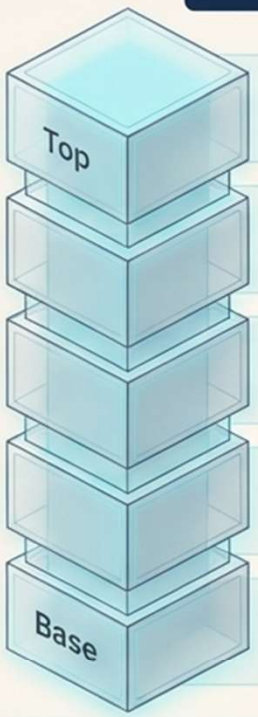
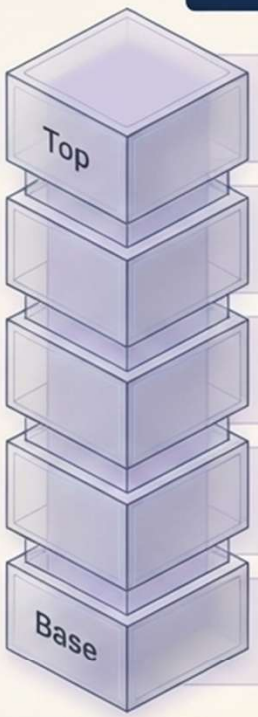
The Core Terrain: Physics & Maths

Physics



- **Modern Physics** & Experimental Skills
- **Optics & Oscillations/Waves**
- **Electromagnetism** (Electrostatics, Current, AC, EM Waves)
- **Thermodynamics & Properties of Matter**
- **Mechanics** (Kinematics, Laws of Motion, Work/Energy, Rotational, Gravitation)

Maths



- **Statistics** and **Probability**
- **Trigonometry, Vector Algebra**
- **Coordinate & 3D Geometry**
- **Calculus** (Limits, Integrals, Differential Equations)
- **Algebra** (Complex Numbers, Matrices, Binomial, Sequences)

Don't panic. You don't need to master 100% of this to win. Strategic focus is key.

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Chemistry: Three Different Mindsets

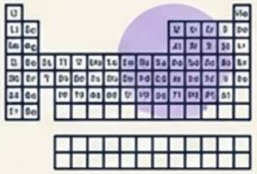
Physical Chemistry



Focus: Numerical concepts, calculations, formulas, graphs.

Core: Thermodynamics, Equilibrium, Solutions, Kinetics, Electrochemistry.

Inorganic Chemistry



Focus: Periodic trends, bonding, memorizing prescribed factual data.

Core: Block Elements, Coordination Compounds, Classification.

Organic Chemistry



Focus: Reaction mechanisms, GOC, reagents, functional conversions.

Core: Hydrocarbons, Haloalkanes, Biomolecules, Oxygen/Nitrogen compounds.

Treat Chemistry as three separate subjects, each requiring a unique study technique.

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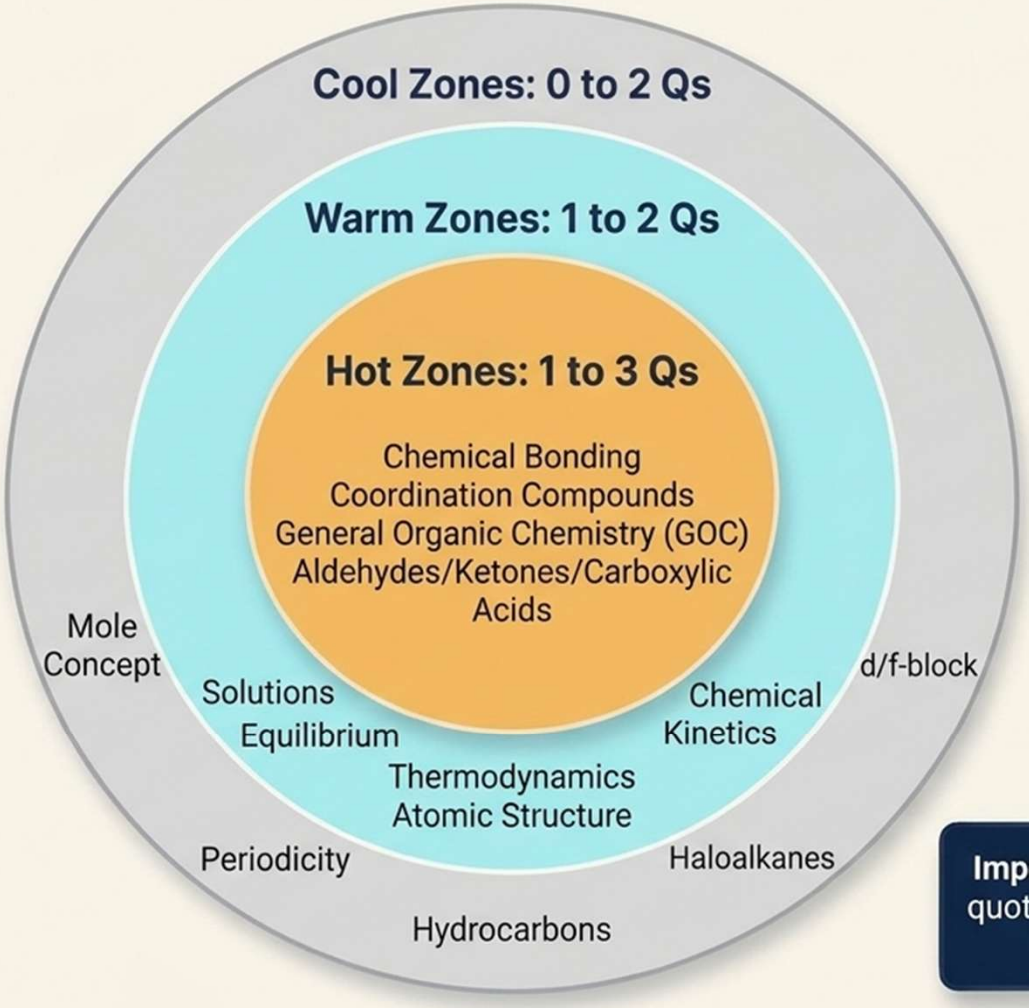
Where to Hunt for Marks (Chemistry Trends)



Important: NTA doesn't have a fixed quota. These are strategic estimates based on historical shifts.

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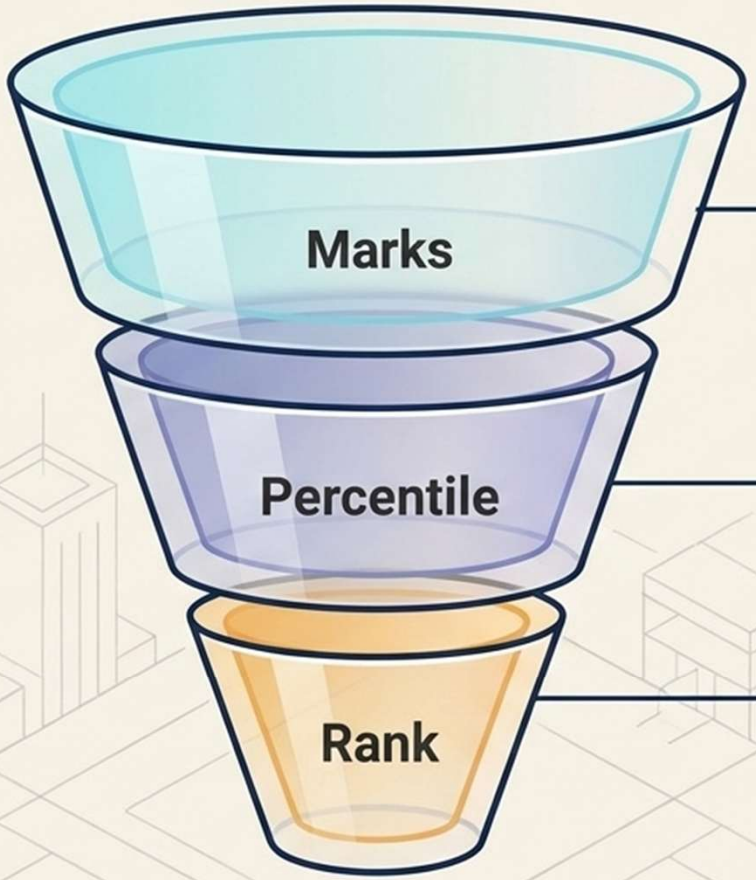
The Scoreboard Explained: Decoding the Jargon



Your Raw Score (out of 300)

The actual points you earn in the 3-hour exam based on the +4/-1 scoring.

Your Relative Position

The great equalizer. If you score 95 percentile, you performed better than 95% of all candidates in your specific shift, regardless of paper difficulty.

Your Final Standing

The exact, absolute number used by colleges for admission (e.g., All India Rank 5,000).

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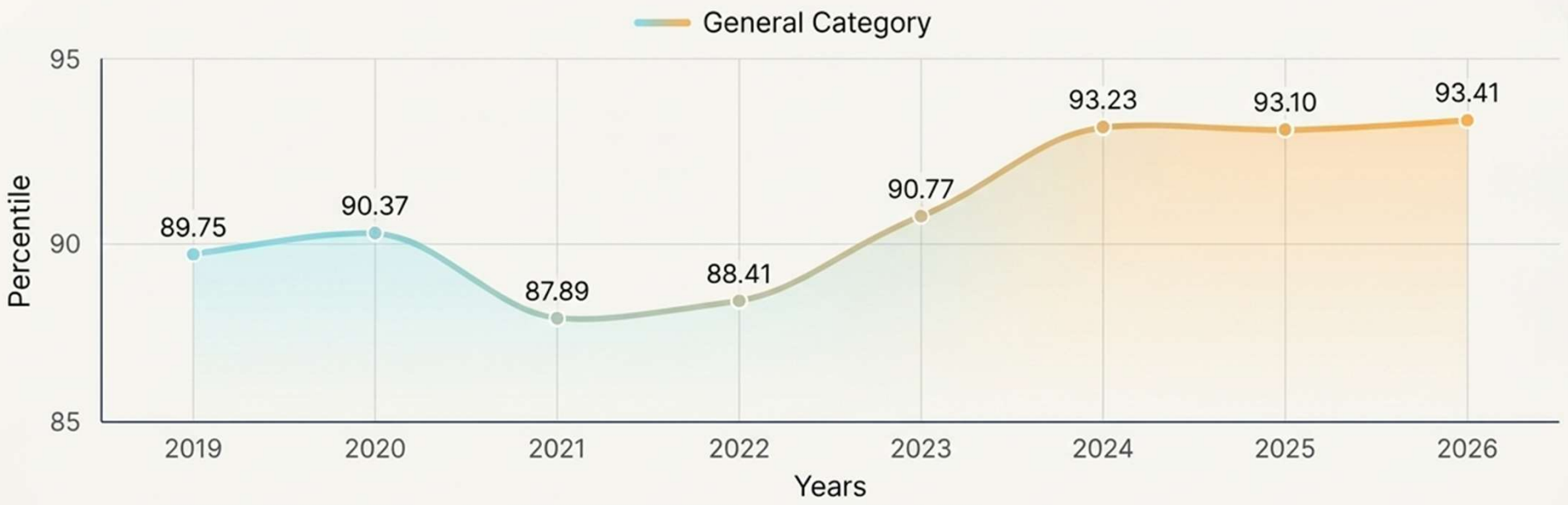
The Rising Tide: Qualifying Cutoff History



Box 1	Box 2	Box 3	Box 4
EWS: 82.41	OBC-NCL: 80.92	SC: 63.91	ST: 52.01

Competition is increasing. This cutoff is the minimum percentile needed to sit for JEE Advanced.

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Target Your Score, Predict Your Destiny



220+ Marks = Top 1,000 Rank
(Highly competitive, elite options)

180–220 Marks = Top 5,000 Rank
(Strong position, top NIT branches)

150–180 Marks = Top 10k–25k Rank
(Many great NIT/IIIT/GFTI options)

120–150 Marks
(Early Preparation Benchmark)

Note: There is no universal safe rank. Admissions depend heavily on category, state quota, and branch preferences.

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The Blueprint for Mastery (Prep Strategy)

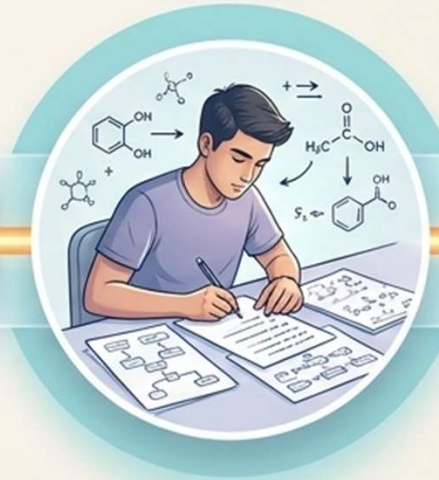
Step 1



Learning

Focus heavily on prescribed NCERT content for Inorganic facts and GOC basics.

Step 2



Practicing

Build formula sheets for Physical Chemistry; create reaction maps for Organic conversions.

Step 3



Testing

Commit to weekly sectional tests to build speed and stamina.

Step 4



Improving

Analyze PYQs (Past Year Questions) and maintain an active Error Logbook.

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The 30-Day Chemistry Sprint

Week 1 (Days 1–7):

Basics & Bonding.

Focus: Mole Concept, Atomic Structure, Periodicity, Chemical Bonding.

Week 2 (Days 8–14):

Physical Core.

Focus: Thermodynamics, Equilibrium, Solutions, Electrochemistry, Kinetics.

Week 3 (Days 15–21):

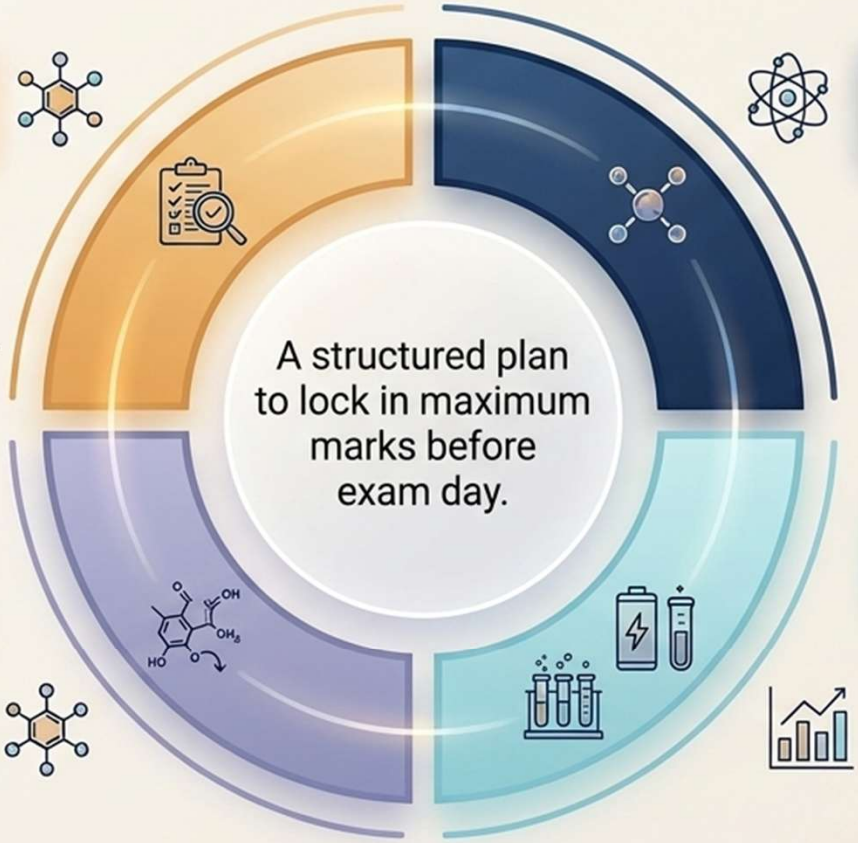
Organic Core.

Focus: GOC, Hydrocarbons, Haloalkanes, Oxygen & Nitrogen compounds.

Week 4 (Days 22–30):

Inorganic Heavy & Mocks.

Focus: Coordination Compounds, d/f-Block, Biomolecules, PYQ revision, full mocks, and error analysis.



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Trust Only the Source



NTA

nta.ac.in

The Exam Conductor.



JEE Main Portal

jeemain.nta.nic.in

Your Candidate Dashboard.



JoSAA

josaa.nic.in

Joint Seat Allocation Authority.



CSAB

csab.nic.in

Central Seat Allocation Board.



Rules, precise dates, and exact syllabus wording can change. Always verify details with the latest NTA Information Bulletin.

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Your Roadmap is Ready.
Now, Start the Engine.

Success in JEE Main 2027 awaits.



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