JEE Advanced Test Feedback

Test: Regular full test - 10 Oct 2025

Student Details

Name:	**Student Name**
Roll Number:	**Roll Number**
Score:	**70 / 90**
Cohort Rank:	**10 out of 100**

What This Feedback Focuses On

At your current level, score improvement is determined less by syllabus coverage and more by how precisely you deploy your existing understanding under pressure. This feedback therefore focuses on:

- Which **types of questions** are converting efficiently
- Where **decision thresholds** are being crossed unnecessarily
- Which **specific skills** need refinement to reduce score leakage

Overall Performance Snapshot

Total Questions:	90
Attempted:	80
Correct:	70
Incorrect:	10
Overall Accuracy:	87.5 percent

Your score reflects strong conversion of medium-difficulty questions and selective success at high difficulty. Remaining score loss is concentrated in a small number of decision-driven chemistry attempts and a few long-structure problems.

Conceptual Difficulty Handling

Low to Medium Difficulty

You convert nearly all routine and moderately complex questions across all subjects. Errors at this level are rare and typically involve oversight rather than misunderstanding.

Action: Do not allocate additional preparation time here. This level is already saturated.

High Difficulty

Your behaviour differs by subject:

- In Mathematics, you attempt fewer high-difficulty problems but convert most of those attempted.
- In Physics, you attempt selectively and convert consistently.
- In Chemistry, you attempt a larger fraction of high-difficulty problems with lower conversion.

Action: High-difficulty chemistry questions must be filtered more aggressively.

Subject-wise Diagnostic Profiles

Mathematics

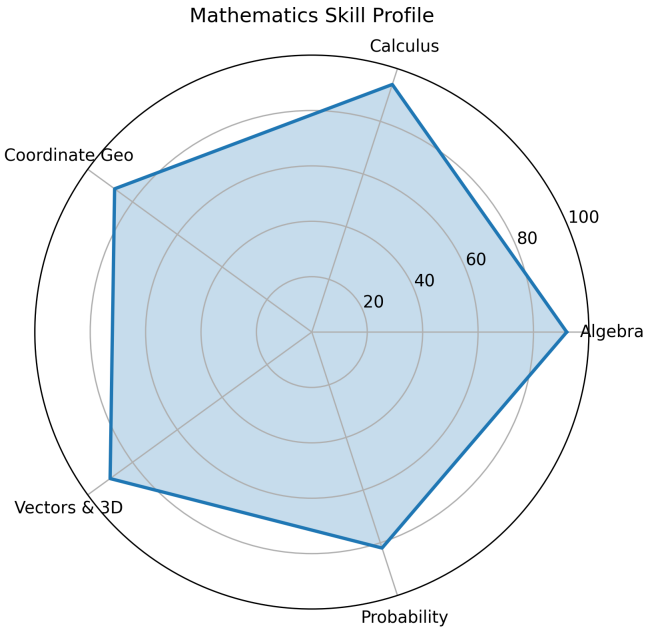

Figure 1: Mathematics Topic Skill Profile

Observed Patterns

- High reliability in algebraic manipulation and calculus execution
- Occasional inefficiency in problems requiring case separation or constraint tracking
- Minor errors when optimal solution path is not identified early

Specific Skill Gaps

- Early identification of simplifying assumptions
- Choosing between algebraic vs geometric approaches

Targeted Actions

- For each incorrect or slow problem, identify at least one alternate solution path.
- Practise problems where the challenge is selecting the method, not executing it.
- Time-box initial planning to 30–45 seconds before committing to a solution.

Physics

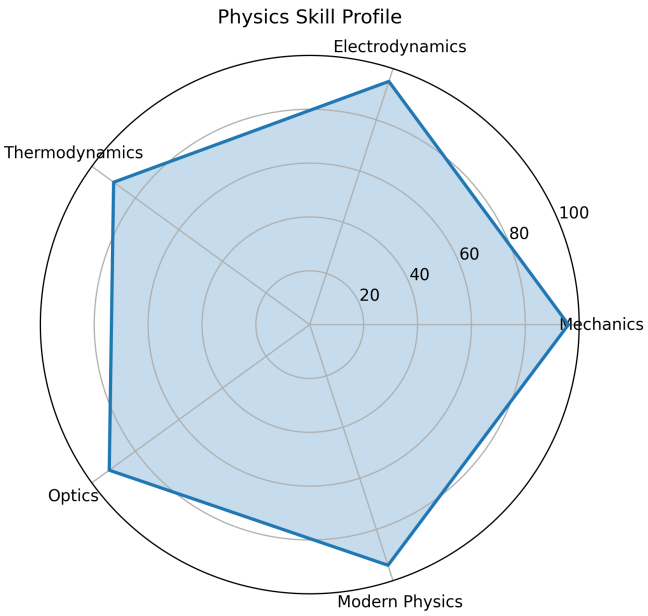

Figure 2: Physics Topic Skill Profile

Observed Patterns

- Strong conceptual grounding across mechanics, electricity, and modern physics
- Errors occur primarily in long, information-dense questions

Specific Skill Gaps

- Managing cognitive load in multi-effect systems
- Avoiding over-analysis once a valid model is identified

Targeted Actions

- Practise identifying the dominant physical principle within the first minute.
- Explicitly write down ignored effects before solving.
- Limit algebraic manipulation until the physical model is fully fixed.

Chemistry

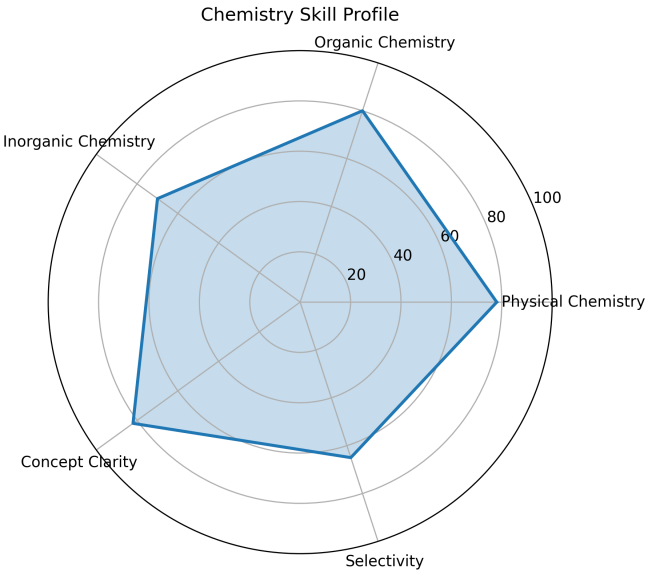

Figure 3: Chemistry Topic and Decision Profile

Observed Patterns

- Physical chemistry errors from using equations without verifying assumptions
- Organic chemistry mistakes in multi-step reaction sequences
- Inorganic errors driven by partial recall
- High attempt rate relative to confidence

Specific Skill Gaps

- Checking applicability conditions before formula use
- Tracking intermediates across reaction steps
- Recognising low-information questions early

Targeted Actions

- Before using any physical chemistry equation, explicitly state conditions.
- Write full mechanisms for organic questions, even in rough work.
- Restrict inorganic attempts to topics with high recall certainty.
- Practise leaving chemistry questions once ambiguity persists beyond 30 seconds.

Decision-Making and Error Behaviour

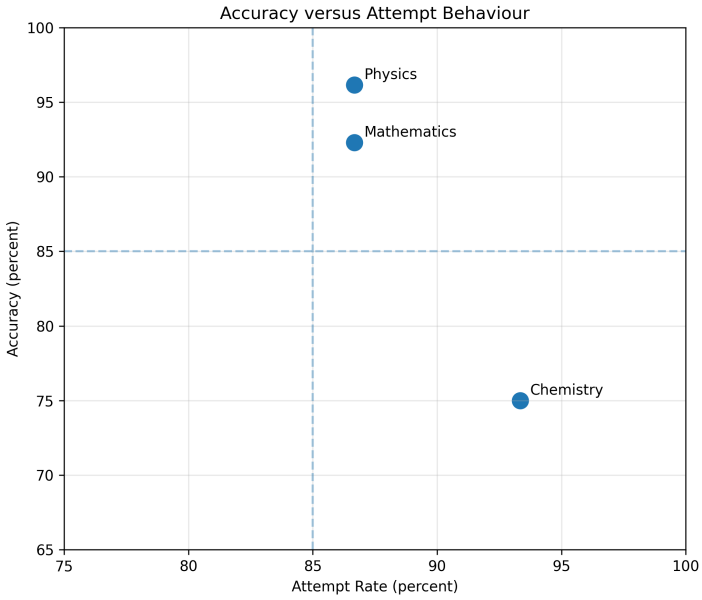

Figure 4: Accuracy versus Attempt Behaviour

Accuracy remains stable in Mathematics and Physics but drops in Chemistry as attempts increase. This confirms that chemistry score loss is primarily decision-driven.

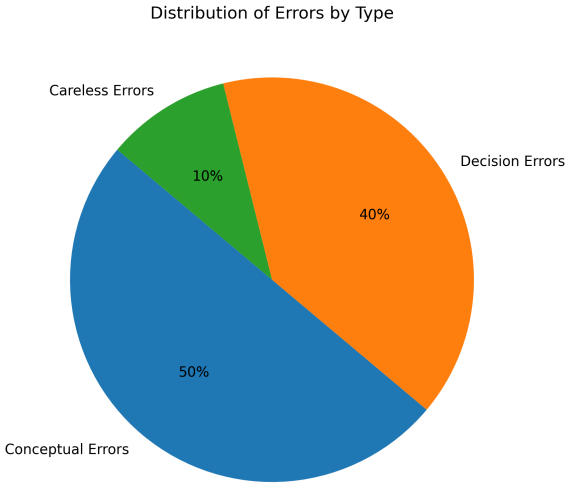

Figure 5: Error Distribution by Type

At your level, reducing incorrect attempts by even two to three questions can meaningfully improve rank.

How to Use Mock Tests Going Forward

Use each mock test to audit decision quality:

- Mark questions that were attempted despite incomplete clarity.
- Identify chemistry questions that should have been skipped.
- Track time spent on non-converting attempts.
- Avoid increasing mock frequency; increase post-test analysis depth instead.

Closing Note

Your preparation is already strong. Further improvement depends on precision rather than expansion.

Aligning chemistry selectivity and refining early problem-structuring decisions will produce the largest gains.