

Student Performance Report

Detailed Analysis & Actionable Insights

Candidate Overview

Student Name:	Valued Student
Assessment:	QPT Analysis (Total Marks: 300)
Overall Score:	94 / 300
Overall Accuracy:	37.3%

Analysis & Personalized Recommendations

1. Personalized Motivating Introduction

Hi Valued Student,

Great effort on the QPT Analysis test! I know these tests can be challenging, and I appreciate you putting in the time and energy. I noticed your performance in Electrostatics was quite strong, which shows you've got a good grasp of some key physics concepts. Let's see how we can build on that and improve in other areas too!

2. Detailed Performance Breakdown

Overall Performance:

You scored 94 out of 300 with an accuracy of 37.33%. You answered 28 out of 75 questions correctly. You took a total of 94 minutes and 34 seconds to complete the test, which is a good amount of time, but let's see if we can use it more effectively.

Subject-wise Analysis:

- Strengths: Physics showed the highest accuracy (44.0%), suggesting a relatively stronger understanding of the subject.
- Areas for Improvement: Chemistry had the lowest accuracy (28.0%), indicating a need for focused revision and practice. Maths accuracy (40.0%) can also be improved.

Chapter-wise Hotspots:

- Areas of Strength: Electrostatics (53.33% accuracy) and Electrochemistry (53.85% accuracy) seem to be your stronger areas. Good job!

- Areas for Focused Revision: Solutions had a 0% accuracy, indicating a significant gap in understanding. Capacitance (30% accuracy) also needs attention.

Difficulty Level Insights:

Interestingly, your accuracy on Tough questions (40.0%) was higher than on Medium questions (26.67%). This suggests you might be performing better on more challenging problems that require deeper thinking, but perhaps overlooking some details or making careless errors on medium-level questions. Easy questions had an accuracy of 48%, indicating room for improvement in fundamental concepts.

Key Conceptual Strengths and Weaknesses:

- Relative Strength: Your performance on questions related to Series and Parallel Combinations of Capacitors (50% accuracy) was better compared to other concepts.
- Key Areas for Improvement: You struggled significantly with concepts related to Functions (particularly determining one-one and onto, finding inverses, and ranges of inverse trigonometric functions), as well as many concepts in Solutions, Electrostatics (Gauss's theorem, properties of electric dipoles, energy stored in capacitor), and Electrochemistry (Henry's law, depression in freezing point, osmotic pressure). These areas require focused review and practice.

3. Time Management vs. Accuracy Insights

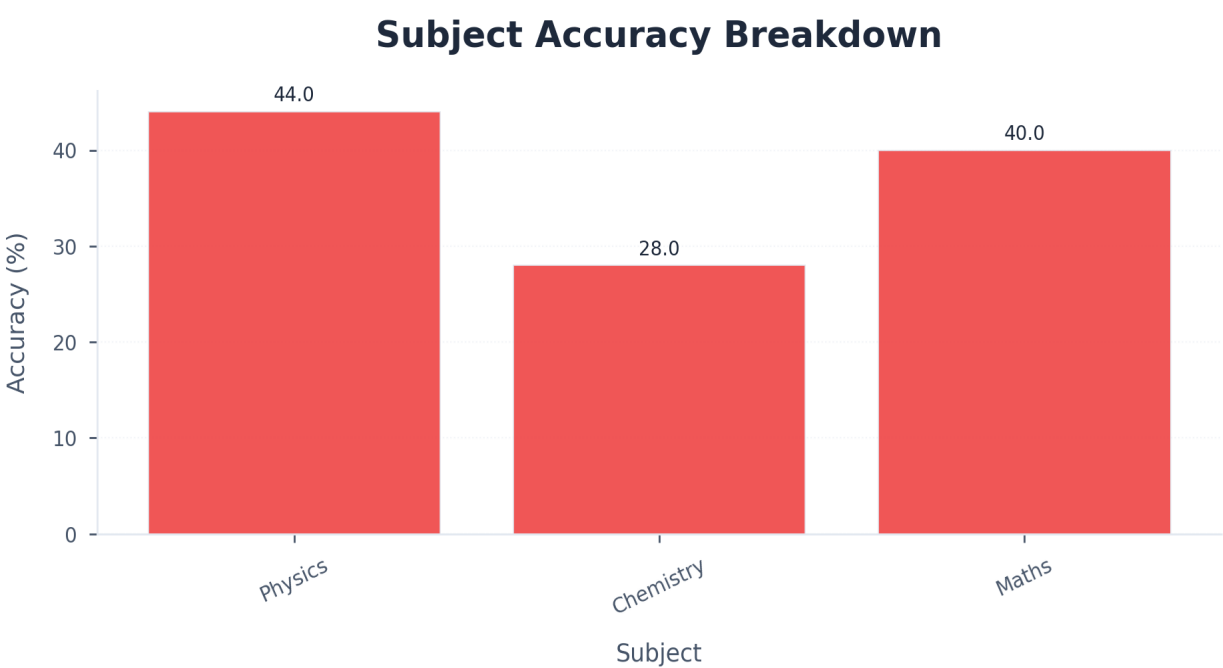
Your average time per correct question was 1 minute 26 seconds, while the average time per incorrect question was 1 minute 22 seconds. This suggests that time isn't necessarily the primary factor hindering your performance. It seems like you're spending roughly the same amount of time on questions you get right and wrong, implying that a lack of conceptual understanding is playing a bigger role than rushing through problems. For example, you spent very little time on questions related to Solutions, which likely contributed to the 0% accuracy in that chapter.

4. Actionable Suggestions for Improvement

- Targeted Revision of Weak Chapters: Dedicate specific time slots to thoroughly review the theory and solved examples related to "Solutions" and "Capacitance." After reviewing the theory, solve at least 20-30 basic to medium-level problems from each chapter to solidify your understanding. Focus on understanding the underlying principles rather than memorizing formulas.
- Concept-Specific Practice for Functions: Spend time specifically practicing questions on "one-one and onto functions," "finding inverses," and "ranges of inverse trigonometric functions." Start with easier problems and gradually increase the difficulty level. Use online resources or textbooks to find targeted practice questions.
- Prioritize Conceptual Clarity over Speed: Instead of focusing on solving questions quickly, prioritize understanding the underlying concepts. When you encounter a challenging problem, take the time to break it down into smaller steps and identify the specific concept that is causing difficulty. Consult textbooks, online resources, or your teachers to clarify any doubts. In subjects like chemistry and electrochemistry, make sure to read the NCERT theory thoroughly.

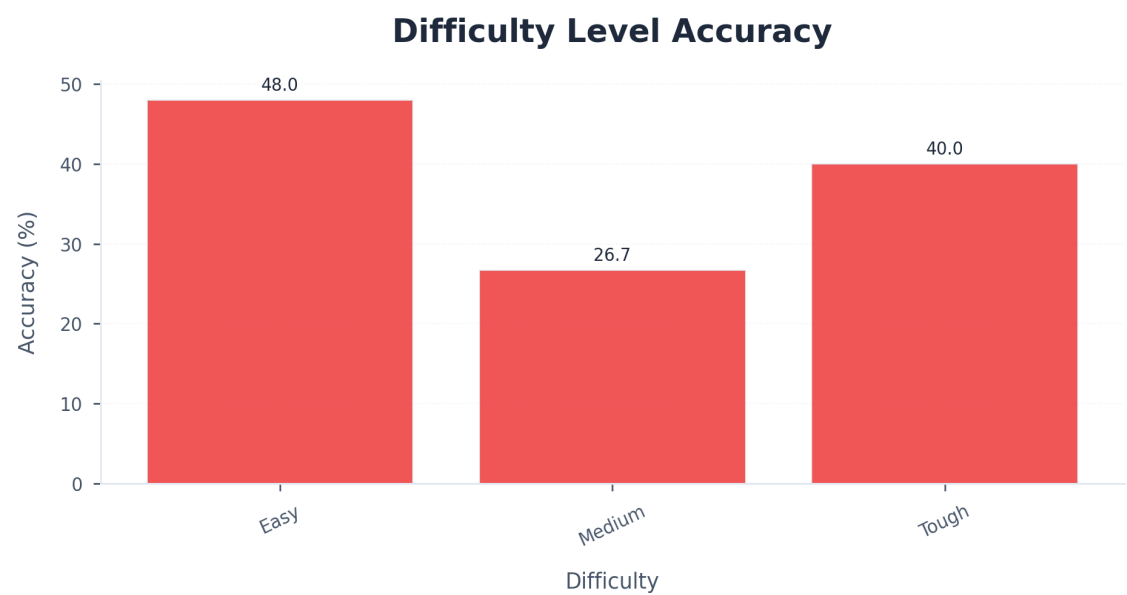
Detailed Performance Visualizations

Subject-wise Performance



Subject	Accuracy	Correct/Total	Avg. Time
Physics	44.0%	11/25	1m 10s
Chemistry	28.0%	7/25	58s
Maths	40.0%	10/25	1m 38s

Performance by Difficulty Level



Difficulty	Accuracy	Correct/Total	Avg. Time
Easy	48.0%	12/25	59s
Medium	26.7%	8/30	1m 10s
Tough	40.0%	8/20	1m 43s

Chapter Performance Highlights

Chapter	Accuracy	Correct/Total	Avg. Time
Solutions	0.0%	0/12	12s
Capacitance	30.0%	3/10	1m 9s
Functions	33.3%	6/18	1m 49s
Electrostatics	53.3%	8/15	1m 10s
Electrochemistry	53.9%	7/13	1m 40s
Sets and Relations	57.1%	4/7	1m 12s