

Tips and Tricks: CBSE Class 12th Physics

Physics, as a compulsory subject of science stream has great importance in competitive exams so it's essential you study smart from the very beginning. Apart from competitive exams, understanding concepts and applying them in given situations will help you improve your logical and analytical thinking, which will come in handy for the future. Last but not least, Physics can help boost your aggregate percentage, and that's always a benefit. Here are some study tips!

Syllabus (Theory):

Unit 1. Electrostatics	8 marks
Unit 2. Current Electricity	7 marks
Unit 3. Magnetic effect of current & Magnetism	8 marks
Unit 4. Electromagnetic Induction and Alternating current	8 marks
Unit 5. Electromagnetic Waves	3 marks
Unit 6. Optics	14 marks
Unit 7. Dual Nature of Matter	4 marks
Unit 8. Atoms and Nuclei	6 marks
Unit 9. Electronic Devices	7 marks
Unit 10. Communication Systems	5 marks

Total 70 marks

Tips:

- Initially read the entire book, all chapters, without trying to memorize anything, only focus on understanding.
- Keep 3 separate quick revision lists with you, one for important formulae, one for all the derivations and one for important definitions.
- Also revise graphs and specially diagrams.
- Understand applications of the various concepts, if there are any doubts clear them with a teacher as soon as possible. After understanding from a teacher write about what you have understood.
- Read through your quick revision lists as often as possible.
- Complete ALL questions from NCERT, both solved and unsolved as majority of CBSE exam is based on NCERT books.
- Be meticulous in answering questions, correct S.I. Units and other details are very important and you may lose marks on an otherwise correct question if you miss the minor details.
- Practice numerical questions in addition to theory questions.
- Create a study schedule focusing on topics which have more weightage and those that you are weak in. However don't forget to devote time to those topics you are comfortable in.
- Try to start your studying by revising a topic you are comfortable in. The confidence will help boost your stamina in studying the difficult topics.
- Attempt sample papers/previous year papers to be able to identify trends and your weak points.
- Practice writing questions point-wise to score more during your exam.
- After finding your weak areas, focus on mastering them.
- Read and understand the concept before trying to answer questions.
- Revise the syllabus at least twice.
- Practice previous 10 year papers.
- Improve your speed in answering papers by trying to complete them within the time frame you will have available at the examination.

Physics can be mastered with hard work and patience. Remember to revise, revise and revise!