

Chhattisgarh Board Class 12, 2026 Physics Question Paper

Time Allowed :3 Hours

Maximum Marks :100

Total questions :38

General Instructions

Read the following instructions very carefully and strictly follow them:

1. The paper is divided into two sections – Section A (Compulsory) and Section B (Elective).
2. Section A is compulsory for all candidates and generally includes objective-type questions, short answer questions, and long answer questions from the prescribed syllabus.
3. In Section A, candidates are required to answer all questions. The questions will cover topics from ancient, medieval, and modern history as prescribed by the syllabus.
4. Section B consists of elective questions. Candidates are required to attempt questions from the chosen topic according to the provided options.
5. The questions in Section A will be in the form of multiple-choice, short answer, and essay-type questions.
6. Answers to all questions must be written in neat and legible handwriting. Candidates must adhere strictly to the word limit mentioned in the questions.
7. Use of unfair means or electronic devices during the examination is strictly prohibited.
8. Candidates must ensure that they write their answers in the correct format, following the instructions given for each section.

1. Write two differences between conductance and resistance.

2. Write three differences between axial position and equatorial position in a magnet.

3. What is ultraviolet light? Write its two characteristics.

4. Write the names of the majority charge carriers in P-type semiconductor and N-type semiconductor.

5. What will be the effect on capacitance of capacitor, when dielectric substance is inserted between the plates of the capacitor?

6. Name the apparatus that works on the principle of electromagnetic induction.

7. Write the reason behind the shining of diamond.

8. How many electrons make one coulomb charge?

9. The minimum deviation angle obtained by a prism of refracting angle 60° is 30° . Calculate the refractive index of the material of prism.

10. Derive an expression for the capacitance of a parallel-plate capacitor when the medium between the plates is partially filled with a dielectric medium. What will be the effect on capacitance if it is completely filled by metallic strip?

11. Obtain an expression for fringe width in Young's double-slit experiment.
