

CBSE Class 12 Physics Question Paper 2011

PHYSICS (Theory) भौतिक विज्ञान (सैद्धान्तिक)

Time allowed : 3 hours

निर्धारित समय : 3 घण्टे

Maximum Marks: 100

अधिकतम अंक : 100

General Instructions :

- All questions are compulsory.
- There are 30 questions in total. Questions 1 to 8 are very short answer type questions and carry one mark each.
- Questions 9 to 18 carry two marks each, questions 19 to 27 carry three marks each and questions 28 to 30 carry five marks each.
- There is no overall choice. However, an internal choice has been provided in one question of two marks, one question of three marks and all three questions of five marks each. You have to attempt only one of the choices in such questions.
- Use of calculators is not permitted. However, you may use log tables if necessary.
- You may use the following values of physical constants wherever necessary

$$c = 3 \times 10^8 \text{ m/s}$$

$$h = 6.63 \times 10^{-34} \text{ Js}$$

$$e = 1.6 \times 10^{-19} \text{ C}$$

$$\mu_0 = 4\pi \times 10^{-7} \text{ T m A}^{-1}$$

$$\frac{1}{4\pi\epsilon_0} = 9 \times 10^9 \text{ N m}^2 \text{ C}^{-2}$$

$$m_e = 9.1 \times 10^{-31} \text{ kg}$$

सामान्य निर्देश :

- सभी प्रश्न अनिवार्य हैं।
- इस प्रश्न-पत्र में कुल 30 प्रश्न हैं। प्रश्न 1 से 8 तक के प्रश्न अति-तुल्यकारीय प्रश्न हैं और प्रत्येक एक अंक का है।
- प्रश्न 9 से 18 में प्रत्येक प्रश्न दो अंक का है, प्रश्न 19 से 27 में प्रत्येक प्रश्न तीन अंक का है तथा प्रश्न 28 से 30 में प्रत्येक प्रश्न पाँच अंक का है।
- प्रश्न-पत्र में समय पर कोई विकल्प नहीं है। तबकि, दो अंकों वाले एक प्रश्न में, तीन अंकों वाले एक प्रश्न में और पाँच अंकों वाले तीनों प्रश्नों में आन्तरिक चयन प्रदान किया गया है। ऐसे प्रश्नों में आपको दिये गये चयन में से केवल एक प्रश्न ही करना है।

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M Tight



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