

SAMPLE QUESTION PAPER -01

PHYSICS (042) 2012-13

CLASS :XII

Max Marks : 70

Max Time: 3 Hrs

GENERAL INSTRUCTIONS:

- (a) All questions are compulsory.
- (b) There are 29 questions in total. Question 1 to 8 carry one mark each, questions 9 to 16 carry two marks each, questions 17 to 25 carry three marks each, question 26 is a value based question which carries 4 marks and questions 27 to 29 carry five marks each.
- (c) 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.
- (d) Use of calculator is not permitted.
- (e) You may use the following physical constants wherever necessary:

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

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

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

$$\mu_0 = 4\pi \times 10^{-7} \text{ Tm/A}$$

$$1/4\pi\epsilon_0 = 9 \times 10^9 \text{ Nm}^2/\text{C}^2$$

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

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