

Chapter 10 : Percentage and Its Applications**A : Choose the correct alternatives in each of the following :****(1 × 5 = 5)**

- Out of 125 votes, 95 are valid. What per cent of votes is not valid?
(a) 24% (b) 30% (c) 32% (d) 36%
- What per cent of 4.2 kg is 84 gm?
(a) 0.5% (b) 0.05% (c) 2% (d) 20%
- By selling an item for ₹ 880, one loses ₹ 120. The loss per cent is
(a) 9% (b) 10% (c) $11\frac{1}{9}\%$ (d) $33\frac{1}{3}\%$
- If ₹ 2500 becomes ₹ 3000 in 5 years, then the rate of interest is
(a) 2% per annum (b) 4% per annum (c) 5% per annum (d) 8% per annum
- If the ratio of C.P. and S.P. of an article is 5 : 4, then the loss per cent is
(a) $11\frac{1}{9}\%$ (b) 20% (c) 25% (d) $33\frac{1}{3}\%$

B : Solve the following :**(3 × 5 = 15)**

- On a particular day, 16% of the students were absent in a class. If 42 students were present on that day, find the total strength of the class.
- An alloy is made from 30% copper, 35% zinc, and the rest is nickel. Find the weight of nickel in 740 gm of the alloy.
- A vendor purchased 50 dozens of bananas for ₹ 450. Out of these, 60 bananas were found to be rotten and could not be sold. At what rate per dozen should he sell the remaining bananas to make a profit of 50%?
- Vikas borrowed ₹ 4000 from a bank at 8% per annum for 2 years. He lent this amount to Prakash at the rate of 9% per annum for 2 years. How much will Vikas gain in this transaction?
- Vivek invested a sum of money for a period from May 2011 to March 2013 at the rate of 12% per annum. If the interest received by him is ₹ 1620. Find the sum.