Question Bank

1. **CHOOSE THE CORRECT OPTION.**

   a. What is 40% of 2.5 m?

      i. 40 cm

      ii. 80 cm

      iii. 25 cm

      iv. 1 m

   b. I bought an item for ₹121, which included a sales tax of 10%. What will be the price if there was no tax?

      i. ₹121

      ii. ₹108.9

      iii. ₹110

      iv. ₹112

   c. If my brother's salary is 50% more than mine, then my salary is less than his by

      i. 50%

      ii. 25%

      iii. 100%

      iv. 33.33%

   d. The speed limit of a road is 40 km/h. A man was driving at 50 km/h. He exceeded by the speed limit by

      i. 10%

      ii. 20%

      iii. 25%

      iv. 50%

   e. Salman bought a shirt that had a marked price of ₹1000. What was the amount he saved if he got two successive discounts of 10% each?

      i. ₹100

      ii. ₹200

      iii. ₹190

      iv. ₹20

2. **FILL IN THE BLANKS.**

   a. $65\% = \dfrac{?}{100}$

   b. $\dfrac{47}{100} = \underline{\hspace{2cm}}\%$

   c. $\dfrac{4}{25} = \dfrac{?}{100} = \underline{\hspace{2cm}}\%$

   d. $35\% = \dfrac{?}{100} = \dfrac{?}{?}$ (lowest terms)

   e. $0.57 = \dfrac{?}{100} = \underline{\hspace{2cm}}\%$

   f. $64\% = \underline{\hspace{2cm}}$ (decimal)

   g. $1:2 = \dfrac{?}{100} = \underline{\hspace{2cm}}\%$

   h. 35% of 400 = $\underline{\hspace{2cm}}$

   i. 11 kg out of 25 kg = $\underline{\hspace{2cm}}\%$

   j. 12.5 cm out of 1 m = $\underline{\hspace{2cm}}\%$

   k. 40% of $\underline{\hspace{2cm}}$ = 12.

   l. Cost price = ₹55; profit = 10%; selling price = ₹$\underline{\hspace{2cm}}$

   m. Marked price = ₹250; discount = 20%; selling price = ₹$\underline{\hspace{2cm}}$

   n. Price = ₹60; sales tax = 4%. selling price = ₹$\underline{\hspace{2cm}}$

3. **ANSWER THE FOLLOWING.**

   a. 10% of apples produced in an orchard are rotten. 8% of the good ones are damaged in transit. If the original yield was 10,000 apples in a season, how many good apples reached the destination safely?

b. The value of a plot of land rises by 10% annually. If its value is ₹1,50,000 now, what will the plot be worth after 3 years?

c. The price of my scooter is 10% less than my neighbour's. If my scooter costs ₹35,200 find the price of my neighbour's vehicle.

d. Gold of 22 carat purity has 22 parts of gold and 2 parts of copper in 24 parts. Find the amount of gold in grams in a jewel of 22-carat that weighs 36 grams.

e. The selling price of a microwave oven is ₹9720. If the seller makes a profit of 8%, what is the cost price of the oven?

f. I bought two chairs for ₹3200. Then I spent ₹800 to paint them. If I sold one of them for ₹1800 and the other for ₹2600, what is my overall profit or loss percentage?

g. A box of candies costs ₹40. The seller marks a price that would give him a profit of 8% even after giving a discount of 10%. Find the marked price.

h Show that a single discount of 20% is more profitable to the buyer than two successive discounts of 10% each

i. If Sharmila's income is 15% more than Shekar's income, by what per cent is Shekar's income less than Sharmila's?