



1. a) A shopkeeper announced a festival discount of 30% for all the items in his shop. Jagdish bought a mobile phone for himself. He got a discount of Rs. 960. What was the marked price of the mobile? **12**

**OR**

- b) Raju buys a camera for Rs. 11,000 and then gets some repairs done for Rs. 1000. Since he was in need of money, he had to sell it for Rs. 8,400. What is his loss percent? **12**
2. a) Rishabh takes a loan of Rs. 10,000 from a bank for a period of 1 year. The rate of interest is 10% per annum. Find the interest and the amount he has to pay at the end of the year. **12**

**OR**

- b) Namita borrowed Rs. 50,000 for 3 years at the rate of 3.5% per annum. Find the interest and the amount accumulated at the end of 3 years. **12**
3. a) The average weight of 24 students in a class is 35 kg. If the weight of teacher is included, the average weight rises by 400 g. Find the weight of teacher. **12**

**OR**

- b) There are 30 students in a class. The average age of the first 10 students is 12.5 years. The average age of the next 20 students is 13.1 years. Find the average age of the whole class. **12**
4. a) A shopkeeper bought 600 oranges and 400 bananas. He found 15% of oranges and 8% of bananas were rotten. Find the percentage of fruits in good condition. **12**

**OR**

- b) The total population of a city increased from 15,000 to 22,500 in a year. The percentage increase of population per year of that city is? **12**
5. a) If the cost price of microwave oven is 13,500 and loss is 12%. Find the selling price of microwave oven. **3**

**OR**

- b) Find out S.I. for Rs. 5,000 at 10% for 3 years. **3**
- c) If a team of 9 students have members that are 12, 13, 11, 12, 13, 12, 11, 12, 12 years in age. Then determine the teams average student's age. **3**
- d) Calculate 30% of 160. **3**

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