

General Instructions:

1. Attempt all questions in a sequence.

2. Q1 & Q2 carries 2 marks each, Q3 - Q6 carries 3 marks each.

1. Convert the decimal number 53 to binary.

2. Convert the binary number 110011101 to decimal.

3. The average expenditure of a man for the first five months of a year is 5000/- for the next seven months it is 5400/-. If he saves 2300/- during the year, find his average monthly income.

4. On what day was the Christmas in 1995?

5. A alone can complete a piece of work worth Rs 300 in 6 days, but by engaging an assistant B, the work is completed in 4 days. Find the share received by the assistant.

6. A school boy travelling at 3km/hr, reaches his school 32 minutes late but if he travels at 5km/hr, he reaches his school 28 minutes early. Find the distance he travels every day to reach the school.