

# Anita's Coaching Classes

Marks:25

Time : 1hr

**(1 Mark)**

- 1) Find the ratio of 20 minutes to 3 hours.
- 2) Rahul can solve a puzzle in 2 hours while Suraj can solve the same puzzle in 3 hours. Find the ratio of time taken by Rahul to the time taken by Suraj to solve the puzzle.
- 3) Are a) 36, 48, 42 and 56 b) 18, 30, 30 and 50 in proportion?

**(3 Marks)**

- 4) The pocket money of A, B and C are Rs 600, Rs 500 and Rs 550, respectively. Find
  - (a) the ratio of pocket money of A to that of B.
  - (b) the ratio of pocket money of A to that of C.
  - (c) the ratio of pocket money of B to that of C.
- 5) Ramesh completes his work in 3 days if he works for 5 hours daily. How many days will he take to complete the same work if he works for 3 hours daily?
- 6) Seema's income is Rs 20,000 and her saving is Rs 4750 per month. Find the ratio of her expenditure to her income.
- 7) A company manufactures 1000 bulbs per month on an average. It was found out that 50 bulbs were defective in a certain month. Find out the ratio of defective bulbs to the number of bulbs produced and the ratio of non defective bulbs to defective bulbs.

**(2 Marks)**

- 8) Arrange the following ratios in ascending form.  
3 : 7, 5 : 9 and 1 : 3
- 9) Are the two ratios 13 : 39 and 7 : 21 equal?
- 10) Express the ratio in lowest form.      39 : 117
- 11) The length, breadth of a building is 200 m, 175 m and respectively. Find the ratio of length to perimeter of rectangle.
- 12) If the cost of 3 dozens pens is ₹72, what will be the cost of 2 dozens such pens?