# HERAMB COACHING CLASSES

XII/MATHEMATICS                    MARKS: 30                    DURATION:1 HOUR

**ATTEMPT ANY SIX**

1. Alex spends 20% of his income on food items and 12% on conveyance. If for the month of June 2010, he spent Rs 900 on conveyance. If for the month of June 2010, he spent Rs 900 on conveyance, find his expenditure on food items during the same month.

2. The ratio of number of boys and girls in a school is 3:2. If 20% of the boys and 30% of the girls are scholarship holders. Find the percentage of students who are not scholarship holders.

3. What must be subtracted from each of the numbers 5,7 and 10, so that the resulting numbers are in continued proportion?

4. A certain job can be performed by 10 men in 24 days working 8 hours a day. How many days would be needed to perform the same job by 8 men working 12 hours a day?

5. Ajay, Atul and Anil started a business in partnership by investing Rs 12,000, Rs 18,000 and Rs 30,000 respectively. At the end of the year, they earned a profit of Rs 15,200 in the business. Find the share of each in the profit.

6. A,b and C are in the partnership. A's capital was Rs 65,000 and C's capital was Rs 50,000. The total profit is Rs 38,000, Out of which B's profit was Rs 15,000.What was B's capital?

7. John and Mathew started a business with their capitals in the ratio 8:5. After 8 months John added 25% of his earlier capital as further investments. At the same time Mathew withdrew 20% of his earlier capital. At the end of the year they earned Rs 52,000 as profit. How should they divide it between them.

8. A manufacturer sells his product to a wholeseller at 20% return on cost The wholeseller in turn makes a profit of 20% on his cost while selling it to a retailer. The retailer prices the product so that he gets a 28% margin on retail selling prices. Calculate the percentage increase in value from the manufacturer to the consumer.