Mizoram Board Class 12 Business Mathematics Question Paper (Memory Based)

| Time Allowed :3 Hour | Maximum Marks :60 | Total Questions :24 |

1. A and B start a business with capitals of 50,000 and 40,000 respectively. After 6 months, C joins them with 80,000. Find the share of each in a profit of 25,000 at the end of the year.

2. An agent is paid a 5% commission on all sales and an additional 2% del-credere commission on credit sales. If he sells goods worth 50,000 (of which 20,000 are credit sales), calculate his total earning.

3. Find the value of n if
$$^{n}P_4 = 12 \times {}^{n}P_2.$$

4. Expand $(2x - 3y)^5$ using the Binomial Theorem.

5. Solve the system of equations using Cramer's Rule:
$$2x + 3y = 8, \qquad x - y = -1.$$

6. A box contains 5 red and 7 white balls. Two balls are drawn at random. What is the probability that both are red?

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7. A merchant marks his goods 20% above the cost price and allows a discount of 10%. Find his profit percentage.