PGDGBL

Term-End Examination

December, 2011

MGB-011 : INFORMATION ANALYSIS FOR STRATEGIC DECISION MAKING

Time : 3 hours   *Maximum Marks : 100*

Note : *Answer **any five** questions . **All** questions carry **equal** marks.*

1. What is strategic decision making ? How data   **20** analysis is helpful in decision making ?

2. Calculate the most suitable average from the   **20** following data.

Value	Frequency
Less than 100	40
100 - 200	89
200 - 300	148
300 - 400	64
400 and above	380

3. (a) The values of mode and median for a   **10** moderately skewed distribution are 64.2 and 68.6 respectively. Find the value of the mean.

    (b) If the mean and median of a distribution   **10** are 26.8 and 27.9 respectively, what would be its most probable mode ?

4. Three groups of workers contain 3 men and **20**
    1 woman; 2 men and 2 women, and 1 men and
    3 women, respectively. One worker is selected at
    random from each group. What is the probability
    that the group selected consists of 1 man 2 women.

5. The customer accounts of a certain departmental **20**
    store have an average balance of Rs. 120 and a
    standard deviation of Rs. 40. Assuming that the
    account balances are normally distributed, what
    proportion of the accounts is over Rs. 150 and
    what proportion of accounts is between Rs. 100
    and 150 ?

6. Distinguish between correlation and regression. **20**
    In what type of decision making situations
    multiple regression is employed ?

7. Elaborate on the applications of probability **20**
    distributions. Give the characteristics of normal
    distribution.

8. Write short notes on the following : **5x4=20**
    (a) Skewness
    (b) Coefficient of Variation
    (c) Harmonic mean
    (d) Mean deviation.