

No. of Printed Pages : 3

MS-8**Management Programme (MP)****Term-End Examination****June, 2024****MS-8 : ANALYSIS FOR MANAGERIAL
APPLICATIONS***Time : 3 Hours**Maximum Marks : 100*

Note : *This question paper consists of two sections A and B. Attempt four questions from section A. Each question carries 20 marks. Use of calculator is allowed.*

Section-A

1. Calculate the median from the following data :

Payment of Commission in (Rs.)	No. of Salesmen	Payment of Commission (In Rs.)	No. of Salesmen
1000-1200	4	2000-2200	80
1200-1400	10	2200-2400	32
1400-1600	16	2400-2600	23
1600-1800	29	2600-2800	17
1800-2000	52	2800-3000	7

P. T. O.

2. What do you understand by classification of data ? Explain the types of classification of data.
3. A highway petrol pump can serve on an average 15 cars per hour. what is the probability that for a particular car, the time taken will be less than 3 minutes ?

(The value of $e^{-0.75} = 0.4724$)

4. What do you understand by forecast control ? What could be the various methods to ensure that the forecasting system is appropriate ?
5. Given are the following data :

X : 6 2 10 4 8

Y : 9 11 5 8 7

Find the regression line Y on X.

6. Write the short note on any three of the following :

[3]

MS-8

- (a) Guidelines for choosing the class.
- (b) Purposive sampling.
- (c) Decision free Approach.
- (d) Statistics in plural sense.
- (e) Rank Correlation.

Section-B

7. Assume the mean height of soldiers to be 68.22 inches with a variance of 10.8 inches. How many soldiers in a regiment of 1000 would you expect to be over 6 ft. tall ?

(The tabulated value of Z at 1.15 is 0.3749).
