

Roll No.

Total No. of Questions : 13]

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**M.B.A./M.B.A. (Gen.Mgt./Mkt. Mgt./Hum. Res.
Mgt./Fin. Mgt./Mkt. & Sales Mgt./Fin./Mkt.)**

(F.T.) Ist Semester (Reg./Ex./Old-Ex.)

Examination, (Session 2021-22)

FEB.-2022

Quantitative Methods

Paper - CP-102

Time : 3 Hours]

[Maximum Marks : 80

Note :- All both the sections.

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SECTION - 'A'

Short Answer Type Questions

4×8=32

Note :- Attempt any four questions from this section. Each question carries 8 marks.

1. Define 'Statistics' and discuss its role in managerial decision making.
2. Find the median of the following series.
30, 31, 36, 33, 29, 28, 35, 36
Also, give the definition of median.
3. What do you understand by dispersion ? What are its different measures ?
4. Find the mean deviation of the following series.
1, 2, 3, 4, 5, 6
5. Explain the term 'Trial and Event' with example.
6. What is Spearman's rank correlation ? Discuss its usefulness.
7. A uniform die is thrown at random. Find the probability that the number on it is :
(a) 5
(b) Greater than 4
8. What do you understand by hypothesis ? What are its two types ?

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SECTION - 'B'

Long Answer Type Questions $3 \times 16 = 48$

Note :- Attempt any three questions from this section. Each question carries 16 marks.

9. Calculate mean and median from the given data.

x	0-5	5-10	10-15	15-20	20-25	25-30
f	5	7	10	8	6	4

10. Define the term 'standard deviation'. Calculate the standard deviation of first 10 natural numbers.

11. Define the term 'Probability'. Why and how it is important in business decision making?

12. What do you understand by sampling? Elaborate types of sampling.

13. From the given data calculate coefficient of correlation by Karl Pearson's method.

x	6	2	10	4	8
y	9	11	5	8	7
