

Total No. of Questions : 13]

Roll No.
[Total No. of Printed Pages : 3

DX-566

**M.B.A.(Plain/Gen.Mgt./Mkt. Mgt./Hum. Res.
Mgt./Fin. Mgt./Mkt. & Sales Mgt./Fin./Mkt.)
(F.T.) Ist Semester (Reg./Ex./ATKT)**

Examination, 2022-23

Quantitative Methods

Paper - 102

Time : 3 Hours]

[Maximum Marks : 80

Note :- Attempt both sections.

SECTION - 'A'

Short Answer Type Questions

4×8=32

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(1)

P.T.O.

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

1. How does statistics helps in managerial decision making process.
2. What are the different properties of a good average.
3. Find the mean and standard deviation of first 10 natural numbers.
4. Write short notes on skewness and kurtosis.
5. A uniform die is thrown at random. Find the probability that the number on it is
(a) Greater than 4
(b) Even
6. Write about the importance of probability theory in business decision making. <https://www.onlinebu.com>
7. What do you understand by correlation ? What are its different types ?
8. Explain index number and its importance.

SECTION - 'B'

Long Answer Type Questions 3×16=48

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

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(2)

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9. Calculate median and mode of the following data :

Class Interval	0-5	5-10	10-15	15-20	20-25	25-30	30-35
Frequency	1	2	10	4	10	9	2

10. What do you understand by dispersion ? What are its different measures ?

11. Explain the following terms in probability with example :

- (a) Trial and event
- (b) Sample space
- (c) Independent event
- (d) Equally likely event

12. Find the coefficient of correlation by Karl Pearson's method.

X	2	4	5	6	8	11
Y	18	12	10	8	7	5

13. What do you understand by sampling ? What are its types ?

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