

Roll No.

Total No. of Questions : 13] [Total No. of Printed Pages : 3

DP-310

M.B.A. Ist Semester (FT)

Examination, 2018

Quantitative Methods

Paper - CP-102

Time : 3 Hours] [Maximum Marks : 80

Note :- Attempt any four questions from section - A and three questions from section - B.

SECTION - 'A' 4×8=32

Short Answer Type Questions

1. What do you understand by frequency distribution, name

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(1)

the graph through which the frequency distribution is drawn ?

- 2. Write and explain the difference between skewness and Kurtosis.
- 3. Wages of 65 employees of a company for 3 days are given as follows ?

Wages (in Rs.)	55	65	75	85	95	105	115
No. of Employee	8	10	16	14	10	5	2

Find out the mean by Direct method

- 4. What is the application of Normal distribution in business decision making ?
- 5. How does time series analysis helpful in forecasting demand, for an organization.
- 6. Define sampling and what are its advantages ?
- 7. What is correlation ? Draw four different types of scatter diagrams for different degrees of correlation between two correlation variables and explain.
- 8. What are the advantages of Chi test, in hypothesis testing ?

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SECTION - 'B'

16×3=48

Long Answer Type Questions

9. The following is the age distribution of 100 members of an organization find the standard deviation and its co-efficient

Age (in year)	30-40	40-50	50-60	60-70	70-80	80-90
No. of Members	3	51	25	5	9	7

10. Explain Bionomial and Poisson distribution with example.
11. How are Quantitative methods/statistics useful in management ?
12. Calculate Karl Pearsons' correlation coefficient from the following data :-

x	11	10	9	8	7	6	5
y	20	18	12	8	10	5	4

13. What do you understand by Null and Alternative hypothesis explain the measure of hypothesis testing - t - test for difference of Means.

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