BBA-05

June - Examination 2019

BBA Pt. I Examination

Fundamentals of Business Statistics

Paper - BBA-05

Time : 3 Hours]   **[Max. Marks :- 70**

Note: The question paper is divided into three sections A, B and C. Write answers as per given instructions.

Section - A $7 \times 2 = 14$
(Very Short Answer Questions)

Note: Answer **all** questions. As per the nature of the question delimit your answer in one word, one sentence or maximum up to 30 words. Each question carries 2 marks..

1)   (i)   State two main functions of statistics.

    (ii)   What do you mean by 'Primary Data'?

    (iii)   Give the main difference between classification and Tabulation.

    (iv)   Write two uses of statistics.

    (v)   Define Index numbers.

    (vi)   Why are there two regression lines?

    (vii)   State any two point of difference between Interpolation and Extrapolation.

Section - B $4 \times 7 = 28$

(Short Answer Questions)

Note: Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 7 marks.

2) Explain the importance and limitations (demerits) of graphic presentation of statistical data.

3) Calculate Bowley's coefficient of skewness from the following Data:

Marks	No. of students
0-5	5
5-10	12
10-15	20
15-20	32
20-25	15
25-30	9
30-35	7

4) What is Fisher's Index number? Why is it called Ideal Index number?

5) Find our the regression coefficients and the coefficient of correlation from the following data:

X	Y
10	20
20	50
30	30
40	80
50	70

6) What do you understand by moving average? Indicate its uses.

7) What is interpolation? What are the assumptions underlying interpolation.

8) What do you understand by secondary data? Mentions the various sources of secondary data. What precautions are to be taken while using them.

9) Write short notes on following:

    (i)   Classification according to Attributes.

    (ii) Inclusive series and exclusive series.

Section - C $2 \times 14 = 28$
(Long Answer Questions)

Note: Answer **any two** questions. You have to delimit your each answer maximum up to 500 words. Each question carries 14 marks.

10) Write explanatory notes on following : - (any two)

    (i)   Mean Deviation

    (ii) Standard Deviation

    (iii) Semi Interquartile Range

    (v) Variance

11) Calculate Arithmetic mean, mode and median from the following data.

Wages in ₹	No. of workers
Less than 8	5
Less than 16	12
8 -24	29
24 and above	31
32-40	8
40 and above	19
48 and above	5

12) What do you mean by Rank correlation? How will you measure it? Explain with suitable example.

13) Explain the various sources of secondary data in detail.

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