BBA-05

June - Examination 2018

BBA Pt. I Examination

Fundamentals of Business Statistics

Paper - BBA-05

Time : 3 Hours]   **[Max. Marks :- 80**

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

Section - A $8 \times 2 = 16$

(Very Short Answer Type 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 word. Each question carries 2 marks.

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

   (ii) What are primary data?

   (iii) State two objects of tabulation.

   (iv) What is an arithmetic average?

   (v) Name two measures of skewness.

   (vi) Give the formula to findout Weighted Index Number.

   (vii) State two assumptions of Interpolation.

   (viii) Explain the meaning of mutually exclusive events.

Section - B

$4 \times 8 = 32$

(Short Answer Questions)

Note: Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 8 marks.

2) State different types of diagrams.

3) Calculate Arithmetic mean from the following data of Dheeraj Ltd.

Wages in ₹ Less than	80	70	60	50	40	30	20	10
No. of workers	100	90	80	60	32	20	13	5

4) Find out Inter-Quartile range from the following data of Priya Ltd.

Marks	1-10	11-20	21-30	31-40	41-50
No. of Examinees	5	8	12	9	6

5) What is chain Base Index Number? Explain giving example.

6) State the general rules for interpreting coefficient of correlation.

7) Describe the utility of regression lines.

8) State the objectives and importance of time series.

9) What is the probability of drawing a spade or a king from a pack of cards?

Section - C $2 \times 16 = 32$

(Long Answer Questions)

Note: Answer **any two** questions. You have to delimit your each answer maximum upto 500 words. Each question carries 16 marks.

10) Calculate median and mode from the following data:

Marks more than	50	40	30	20	10	0
No. of Students	2	6	15	28	35	40

11) What is meant by dispersion? Explain various measures of dispersion.

12) Differentiate between moments and kurtosis.

13) From the following data interpolate the number of persons earning between ₹ 500 and ₹ 540.

Income in Rs.	400-450	450-500	500-550	550-600	600-650
No. of persons	100	140	280	160	200

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