BBA-05

BBA (First Year) Examination

June - 2015

Fundamentals of Business Statistics

Paper : BBA-05

Time : Three Hours]   *[Max. Marks : 80*

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

Section-A

(Very Short Answer Type Questions)

Note: Answer all 8 questions. As per the nature of the question you delimit your answer in one sentence up to 50 words. Each question carries equal marks.

(Marks 2×8=16)

Q.1 (i)   Explain the nature of Statistics.

    (ii)   What is primary and secondary data.

    (iii)   What is Questionnaire.

    (iv)   What is Arithmetic mean.

(v) What is Mode.

(vi) Define Skewness

(vii) Explain the meaning of Correlation.

(viii) Write definition of Regression.

Section-B

(Short Answer Type Questions)

Note: Answer <u>any four</u> questions. Each answer should not exceed 100 words. Each question carries 08 marks.

(Marks 8×4=32)

Q.2 Disfferentiate between classification and Tabulation.

Q.3 Define statistics and explain its scope.

Q.4 Explain the various sources of data.

Q.5 Explain Frequency Polygon and Histogram.

Q.6 What do you mean by Dispersion?

Q.7 Differentiate between fixed base and chain base index methods.

Q.8 What is Time Series?

Q.9 What is Interpolation?

Section-C

(Long Answer Type Questions)

Note: Answer <u>any two</u> questions. Each answer should not exceed 800 words. Each question carries 16 marks.

(Marks 2×16=32)

Q.10 State the empitical relationship between Mode, Median, and Arithmetic Mean of a frequency distribution.

Q.11 Find out the regression equation by least square method.

X: 1 3 4 6 8 9 11 14

Y: 1 2 4 4 5 7 8 9

Q.12 State and explain Fisher's Ideal Formula for Price Index Number and why is it called Ideal.

Q.13 Calculate Karl Pearson's co-efficient of Skewness based on median from the following data:

Size:	0-10	10-20	20-30	30-40	40-50	50-60
Frequency:	33	28	25	24	20	21

—x—