

BBA-05

June - Examination 2016

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 × 2 = 16**

(Very Short Answer Type Questions)

Note: Answer **all** questions. As per the nature of the questions you delimit your answer in one sentence upto 30 words. Each question carries 2 marks.

- 1) (i) "Statistics does not reveal the entire story". Comment.
- (ii) What do you mean by primary data?
- (iii) What is schedule?
- (iv) What you understand about central tendency?
- (v) Point out objects of moments.
- (vi) What is probable error in sampling?
- (vii) Point out variations in time series.
- (viii) Define questionnaire.

Section - B**4 × 8 = 32**

(Short Answer Type Questions)

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

- 2) What do you mean by degree of accuracy?
- 3) Explain published source as data collection source.
- 4) What do you mean by weighted mean?
- 5) What is skewness? Which measure of skewness is generally preferred and why?
- 6) First four central moments of a distribution are 0, 3, 0 and 26. Calculate first four moments
 - (i) about arbitrary origin 4, and
 - (ii) about 0 (zero).
- 7) From the following data find the number of students securing less than 45 marks:

Marks	30-40	30-50	30-60	30-70	30-80
No. of Students	31	73	124	159	190

- 8) State the conditions when Lagrange's method is used?
- 9) Find the value of 8P_2 and 4P_4 under mathematical formula of permutation.

Section - C**2 × 16 = 32**

(Long Answer Type Questions)

Note: Answer **any two** questions. Each answer should not exceed 500 words. Each question carries 16 marks.

- 10) State the general rules of Tabulation. What are the main parts of a good table?
- 11) Compute the median from the following distribution:

Height (in inches)	60	61	62	63	64	65	66
No. of Women	27	146	435	398	210	128	98

- 12) Calculate measure of skewness based on quartiles and median from the following data:

Variable	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Frequency	358	2417	976	129	62	18	10

- 13) Write explanatory notes on the following:
- (i) deflating
 - (ii) splicing
 - (iii) base shifting
