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## BBA-05

December – Examination 2020

### BBA (Part I) Examination

Fundamentals of Business Statistics

Paper : BBA-05

*Time : 2 Hours ]*

*[ Maximum Marks : 70*

*Note :-* The question paper is divided into two sections A and B. Write answers as per the given instructions.

**Section–A**

**7×2=14**

**(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 upto **30** words. Each question carries 2 marks.

1. (i) State characteristics of statistics any *four*.
- (ii) Define Classification.
- (iii) Define *two* dimensional diagrams.
- (iv) Give the meaning of 'Random Sampling'.
- (v) What is Time Series ?
- (vi) Explain Semi-average method of measuring

secular trend.

(vii) Explain Independent Events.

**Section-B**

**4×14=56**

**(Short Answer Type Questions)**

**Note** :- Answer any *four* questions. Answer should not exceed **200** words. Each question carries 14 marks.

2. Calculate Yule coefficient of association between literacy and unemployment :

Illiterate unemployed	220
Literate employed	20
Illiterate employed	180
Literate unemployed	80

3. Interpolate life expectancy at the age of 22 years from the following data :

Age (Year)	15	20	25	30	35
Life expectancy (Years)	32.2	29.1	26.0	23.1	20.4

4. What is meant by Dispersion ? Write the name of methods of computing dispersion.

5. What are the methods of Testing Skewness ?

6. Calculate two regression equations from the following :

	<b>X Series</b>	<b>Y Series</b>
Arithmetic mean	10	35
Standard deviation	2	5
Correlation coefficient =	+0.8	

7. Distinguish between Primary Data and Secondary Data.

8. What is Sample Investigation ? Explain with example.

9. Out of three events X, Y and Z, only one can happen at a time. Odds against X are 5 : 3 and against Y are 4 : 2. Find out the odds against the happening of Z.