Commodities	Base price (2007)	Current price (2010)	Average quantity consumed (2007)
Potatos (per kg)	₹ 5.10	₹ 4.50	4,000 kgs
Milk (per litre)	₹ 14.00	₹ 17.00	800 litres
Eggs (per doz)	₹ 21.00	₹ 24.00	2,000 dozens
Bread (per loaf)	₹ 17.50	₹ 19.00	350 loaves

8. Distinguish clearly between 'correlation' and 'regression' concepts used in statistical analysis.

9. Explain the significance of interpolation and extrapolation methods.

BBA–05

December – Examination 2021

BBA (Part I) Examination

Business Statistics

Paper : BBA-05

Time : 1½ 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   4×3½=14

(Very Short Answer Type Questions)

Note :– Answer any *four* 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 3½ marks.

1. (i) What do you mean by Statistical Investigation ?

   (ii) Name any *two* sources of Primary Data Collection.

   (iii) What do you mean by Negative Skewness ?

   (iv) How to calculate Coefficient of Correlation ?

   (v) What do you mean by Regression Lines ?

   (vi) What is Cyclical Variation ?

   (vii) What do you mean by Test of Consistency ?

   (viii) What do you mean by Probability ?

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. "All statistical data are numerical statement of facts, but all numerical statement of facts are not statistical data." Explain this statement. State the characteristics of statistical data.

3. What is a Questionnaire ? What are the chief requirements of a good questionnaire for use in statistical inquiry ?

4. What is meant by 'Central Tendency' ? Describe the various measures the Central Tendency.

5. From the following data given below, compute mean deviation :

X	10	11	12	13	14
F	3	12	18	12	3

6. Calculate the Pearson's measure of skewness on the basis of mean, mode and standard deviation :

X	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5
Y	35	40	28	100	125	87	43	22

7. By using Laspeyres' method calculate the weighted price index for the year 2010 when the given data indicates the prices and consumption levels of various commodities :