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Section-B

Unit-I

2. "Statistics affects everybody and touches life at many points." Explain the statement.
3. Difference between classification and tabulation. Discuss the parts of table and types of table with suitable example.

Unit-II

4. Calculate mean, median and mode from the following data :

Class	Frequency
20-24	3
25-29	5
30-34	10
35-39	20
40-44	12
45-49	6
50-54	3
55-59	1

5. Describe various measures of variation ? Which is the most widely used measure and why ?

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Unit-III

6. Discuss the meaning, types of significance of correlation. What is the difference between Karl Pearson's Correlation Co-efficient and Spearman's Correlation Co-efficient.

7. From 10 observations of Price (X) and Supply (Y) of a commodity, the following figures were obtained.

$$\Sigma X = 130, \Sigma Y = 220, \Sigma X^2 = 2288, \Sigma Y^2 = 5506, \text{ and } \Sigma XY = 3467.$$

Obtain the two regression equations from the above figures.

Unit-IV

8. From the following data, compute Laspeyres's Paasche's, Marshall-Edgeworth and Fisher's Price Index number.

Commodity	P_0	q_0	P_1	q_1
A	8	25	65	30
B	20	70	30	55
C	5	16	20	45
D	10	36	15	20
E	27	80	10	60

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9. Explain the use of time series in business forecasting and its limitations. Describe the components of a time series.

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BBA 2nd Semester (N.S.) 2014-17

Examination, May-2023

BUSINESS STATISTICS

Paper-BBAN-206

Time allowed : 3 hours] [Maximum marks : 80

*Note : This paper consists of two Sections (Section-A and B). Section-A is compulsory and carrying questions of two marks each while Section-B consists of eight questions of sixteen marks each. The student shall be required to attempt **four** questions from Section-B selecting **one** question from each unit. All questions carry equal marks.*

Section-A

- I. Write short notes on the following :
- Objectives of Classification
 - Pie diagram
 - Harmonic mean of two numbers a and b.
 - Co-efficient of variation
 - Co-efficient of determination
 - Positive and negative correlation
 - Calculating growth rate in time series
 - Value Index numbers

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[P.T.O.]