

Roll No.

Total No. of Pages : 03

Total No. of Questions : 09

BBA (SIM) (Sem.-2)
BUSINESS STATISTICS

Subject Code : BBA-201-18

M.Code : 75916

Date of Examination : 17-11-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B consists of FOUR Sub-sections : Units-I, II, III & IV.
3. Each Sub-section contains TWO questions each, carrying TEN marks each.
4. Student has to attempt any ONE question from each Sub-section.

SECTION-A

1. Write briefly :

a. Statistics in plural sense

b. Secondary Data

c. Parameter vs statistics

d. Harmonic Mean

e. Variance

f. Non-Sampling error

g. Non-Linear Correlation

h. Dependent Variable

i. Probability of Success

j. Poission Distribution.

SECTION - B

UNIT-I

2. Define the term statistics and discuss its use in business and trade. Also, point out its limitations.
3. What is sampling? What are essentials of a good sample? Name the various methods of sampling and explain them in brief.

UNIT-II

4. How would you account for the predominant choice of arithmetic mean of statistical data as a measure of central tendency? Under what circumstances it would be appropriate to use median or mode?
5. The arithmetic mean and the standard deviation of a set of 9 items are 43 and 5 respectively. If an item of value 63 is added to the set, find the mean and standard deviation of 10 items.

UNIT-III

6. Explain the meaning and significance of the concept of correlation. How will you calculate it from statistical point of view?
7. The two lines of regression are given by:
 $3x+2y = 6$ and $7x+5y = 12$
 - a. Identify the lines of Regression.
 - b. Estimate Y when X= 10.
 - c. Calculate the value of correlation coefficient between x and y.
 - d. What percentage of total variation remains unexplained by the regression equation of y on x?