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Total No. of Pages : 02

Total No. of Questions : 09

BBA (SIM) (Sem.-2)
BUSINESS STATISTICS
Subject Code : BBA201-18
M.Code : 75916

Date of Examination: 11-12-2024

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. Define Statistics.
- b. Primary Data
- c. Inferential Statistics
- d. Positional Averages
- e. Variance
- f. Partial Correlation
- g. Dependent Variable
- h. Event
- i. Normal Curve
- j. Poission Distribution.

SECTION-B

UNIT-I

2. *"Statistics in these days is indispensable for dealing with Socio-Economic Problems"*
How far is this statement correct?
3. What do you mean by Sampling Designs? Elaborate different Probability Sampling Designs.

UNIT-II

4. **Calculate Mean Deviation and Standard Deviation from the following Distribution :**

Class Interval	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Frequency	4	8	8	16	12	6	4

5. What do you mean by Sampling Distribution? Formulate the sampling distribution of Mean and Standard Deviation with some imaginary figures.

UNIT-III

6. What is Coefficient of Correlation? Discuss different properties of Coefficient of correlation.
7. The percentage marks obtained in graduation and Entrance Test of 10 Students were as follows:

Graduation	50	52	55	60	62	65	66	70	75
Entrance Test	52	50	57	65	62	65	65	71	78

From these Data : Find the two regression equations.

UNIT-IV

8. A Class consists of 10 boys and 20 girls of which half the boys and half the girls have blue eyes, find the probability that the student chosen at random is a boy or has blue eyes.
9. What is probability Distribution? Explain different types of probability distributing. How to fit a Binomial distribution?

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.