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Total No. of Pages : 03

Total No. of Questions : 09

BBA/BBA(SIM) (Sem.–2)

BUSINESS STATISTICS

Subject Code : BBA-201-18

M.Code : 75916

Date of Examination : 19-05-2025

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) Frequency
- c) Stratified Sampling
- d) Percentile
- e) Standard Deviation
- f) Linear Correlation
- g) Meaning of Probability
- h) Probability Distribution
- i) Constants
- j) Binomial Distribution

SECTION - B

UNIT - I

- Describe the main functions of statistics. Give the utility of statistics in Economic Planning.
- Differentiate between Probability and Non Probability Sampling Techniques. Elaborate different non probability sampling techniques.

UNIT - II

- You are given the following incomplete frequency distribution. It is known that the total frequency is 100 and that the Median is 44. Estimate by calculation the missing frequencies and find the value of Mode :

Value	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Frequency	5	12		20		10	4

- Differentiate between absolute and Relative Measures of Variation. Discuss various methods of Measures of Variation.

UNIT - III

- Differentiate between Correlation and Causation. Discuss different methods of Calculation of Correlation.
- The following are the Marks obtained by 8 Students in Mathematics and Statistics. Find the Regression Line of Marks in Statistics and Marks in Mathematics :

Marks in Mathematics	50	40	60	46	50	48	59	47
Marks in Statistics	30	37	42	32	35	45	40	35

UNIT - IV

8. A man wants to marry a girl having qualities white Complexion: The Probability of having such a girl is 1 in twenty. Handsome dowry-the probability of getting this one is one in fifty; Westernized manner and etiquettes, the probability here is one in hundred. Find the probability of his getting married to such a girl when the possession of these attributes is independent.
9. What is Poisson distribution? How to fit a Poisson distribution? Explain different properties of Poisson 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.