

Roll No.

Total No. of Pages :02

Total No. of Questions : 09

B.Com.(Hons) (Sem.-2)

BUSINESS STATISTICS

Subject Code : BCOM-GE201-18

M.Code : 75830

Date of Examination: 22-05-2025

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) Limitations of statistics.
 - b) Data presentation
 - c) Descriptive statistics
 - d) Positional averages
 - e) Relation between standard deviation and variance.
 - f) Linear correlation
 - g) Rank correlation
 - h) Properties of regression coefficient.
 - i) Multiplicative law of probability.
 - j) Probability distribution function.

SECTION - B

UNIT - I

2. What is meant by data collection? What is its purpose? Discuss its various methods.
3. Define sampling. Explain stratified and judgment sampling giving examples.

UNIT - II

4.
 - a) Discuss the properties of variance.
 - b) Briefly explain the various graphic presentations with respect to measures of central tendency.
5. **Find out the coefficient of variance for the given data :**

X	5	15	25	35	45	55	65	75
f	4	11	17	23	18	12	9	5

UNIT - III

6.
 - a) Discuss the difference between correlation and causation. Give examples.
 - b) What is the principle of least squares in regression?
7. **Find out the values of Y for X=120 using regressional analysis :**

X	10	20	30	40	50	60	70	80
Y	6	10	12	18	22	34	46	52

UNIT - IV

8. Explain the concept of probability. Discuss the different approaches used for the calculation of probability.
9. Discuss and differentiate between Binomial and Poisson distribution.

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