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Total No. of Pages :02

Total No. of Questions : 09

B.Com.(Hons) (Sem.-2)
BUSINESS STATISTICS
Subject Code : BCOM-GE-201-18
M.Code : 75830
Date of Examination : 30-05-23

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) Scope of statistics
- b) Limitation of statistics
- c) Positional averages
- d) Formulation of sampling
- e) Causation
- f) Rank correlation
- g) Conditional probability
- h) Non-linear correlation
- i) Probability function
- j) Simple random sample.

SECTION-B

UNIT-I

2. Discuss and differentiate between different sources of data.
3. Explain what is meant by descriptive and inferential statistics, giving examples.

UNIT-II

4. Find the median of the following data:

X	10	20	30	40	50	60	70
f	2	6	11	17	10	7	3

5. Find the coefficient of variance of the following series.

X	10	15	20	25	30	35	40
f	3	8	16	13	9	6	2

UNIT-III

6. Find the Karl Pearson's Correlation Coefficient :

X	5	8	12	15	21	24	32
Y	22	34	21	35	45	36	47

7. Discuss what is meant by regression analysis. Further, elaborate the relationship between correlation and regression coefficients.

UNIT-IV

8. Discuss the Baye's Theorem. Give examples.
9. Differentiate between Normal, Binomial and Poisson probability distributions.

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.