

Roll No.

--	--	--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 02

Total No. of Questions : 09

BBA / BBA(SIM) (Sem.-2)

BUSINESS STATISTICS

Subject Code : BBA-201-18

M.Code : 75916

Date of Examination : 09-12-2025

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) Inferential statistics
- b) Discrete frequency distribution
- c) Primary Data
- d) Population and sample
- e) Stratified sampling
- f) Mode
- g) Range
- h) Rank correlation
- i) In a single throw of two dice, find the change of getting a sum of 10.
- j) Assumptions of Poission Distribution.

SECTION - B

UNIT - I

2. Define Statistics. Discuss its importance and limitations.
3. **Write notes on :**
 - a) Simple random sampling.
 - b) Systematic sampling.
 - c) Judgement sampling.

UNIT - II

4. Calculate mean and median from the following data :

Marks :	0-5	5-10	10-15	15-20	20-25	25-30	30-35
No. of Students :	4	6	10	16	12	8	4

5. Compute Standard Deviation from :

Marks : less than	10	20	30	40	50	60
No. of students :	8	12	20	26	35	50

UNIT - III

6. What do you mean by correlation? Explain types of correlation with examples.
7. An investigation for demand of T.V. sets in 7 towns has results as follows :

Population('000)(X) :	11	14	14	17	17	21	25
No. of T.V. sets demanded (Y) :	15	27	27	30	34	38	46

Calculate the regression equation to estimated demand for T.V. sets for a town with a population of 30 thousand.

UNIT - IV

8. Explain :
 - a) Probability
 - b) Additive Law
 - c) Mutually exclusive events.
9. A survey of male children in 128 families gave the following data :

No. of male children :	0	1	2	3	4	5
No. of families :	9	17	29	39	22	12

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.