

First Semester FYUGP Degree (Reg/Sup) Examination**November 2025****KU1DSCCOM103 - BUSINESS STATISTICS**

2024 Admission onwards

Time : 2 hours

Maximum Marks : 70

Section A**Answer any 6 questions. Each carry 3 marks.**

1. List out the algebraic method of measuring variability
2. List out any three properties of measures variation
3. Find the weighted mean of the following data: Marks = 60, 70, 80, 90; Weights = 1, 2, 3, 4.
4. Compute median from the following:
25, 16, 30, 18, 19, 35, 22, 34, 23, 17, 33, 20
5. The mean score of students in a test is 55 and the median score is 50. Find the mode of the test scores.
6. What is simple random sampling
7. What is lottery method
8. Describe classification

Section B**Answer any 4 questions. Each carry 6 marks.**

9. Calculate the weighted arithmetic average of weekly salary from the following data:

Designation	Weekly Salary (in Rs.)	Strength of the Cadre
Class I Officer	1500	10
Class II Officer	800	20
Subordinate Staff	500	70
Clerical Staff	250	100
Lower Staff	100	150

10. Explain the objectives of calculating averages.

11. Calculate the value of mode for the following data.

Marks	Frequency
10	8
15	12
20	36
25	35
30	28
35	18
40	9

12. Compare and Contrast Census Method and Sampling Method
13. Write short notes on any three methods of diagrammatic representation of data
14. Explain the various parts of a table

Section C

Answer any 2 questions. Each carry 14 marks.

15. "Statistics are like clay of which you can make a God or a Devil as you wish". Evaluate this statement.
16. Define Statistics. Briefly explain its characteristics and functions
17. **What is the coefficient of variation? Find the coefficient of variation for the following data:**

Profit per Shop (Class Interval)	Number of Shops
0 - 100	12
0 - 200	30
0 - 300	57
0 - 400	77
0 - 500	94
0 - 600	100