K25FY4527 Pages: 2 Reg No:.....
Name:.....

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

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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

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