



First Semester FYUGP Degree Supplementary Examination
January 2025/Regular Examination November 2024
KU1DSCCOM103 - BUSINESS STATISTICS
 2024 Admission onwards

Time : 2 hours

Maximum Marks : 70

Section A

Answer any 6 questions. Each carry 3 marks.

1. State any two limitations of statistics.
2. List the steps of Statistical investigation
3. Write a note on schedules and questionnaires
4. What is lottery method
5. What is purposive sampling
6. The mean marks of 50 students is 60. Later on, it was discovered that a score of 63 marks was misread as 73. Find the mean corresponding to correct score?
7. Calculate the arithmetic mean from the following data:

Roll No.	Marks
1	85
2	70
3	55
4	75
5	50
6	80
7	42
8	25

8. Write a note on Mode

Section B

Answer any 4 questions. Each carry 6 marks.

9. Explain the characteristics of Statistics
10. Explain the sources of secondary data
11. "Primary data give accurate result". Do you agree? Why?

12. 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

13. Find the median of the following distribution.

Class	Frequency
0 – 10	5
10 – 20	14
20 – 30	29
30 – 40	21
40 – 50	25
50 – 60	21
60 – 70	10

14. Describe the grouping and analysis method of calculating mode.

Section C

Answer any 2 questions. Each carry 14 marks.

15. Explain the term Range, Quartile Deviation, Mean Deviation and Standard Deviation. Also explain their merits and demerits
16. The following table gives the figures of profits of two companies, X and Y, for the last 10 years. Which of the two companies has greater consistency in profits?

Year	Profit (X)	Profit (Y)
2010	700	550
2011	625	600
2012	725	575
2013	625	550
2014	650	650
2015	700	600
2016	650	550
2017	700	525
2018	600	625
2019	650	600

17. Distinguish between the following terms;
- a) Simple Random sampling and Stratified Sampling
 - b) Census method and sample method of data collection