First Semester FYUGP Commerce Examination
NOVEMBER 2024 (2024 Admission onwards)
KU1DSCCOM103 (BUSINESS STATISTICS)
(DATE OF EXAM: 6-12-2024)

Time : 120 min   Maximum Marks : 70

Part A (Answer any 6 questions. Each carries 3 marks)

1. State the meaning of statistical investigation   3

2. Compare Primary and Secondary data   3

3. What do you mean by questionnaire   3

4. **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

                                                                                       3

5. The average mark of a student in 5 subjects is 72. His marks in four subjects are
   37, 82, 55 and 77. Find out the marks for fifth subject.   3

6. Write a note on measures of variation   3

7. Describe Quartile Deviation   3

8. **Compute the range and its coefficient for the following data:**

Marks	No. of Students
$10 - 20$	20
$20 - 30$	16
$30 - 40$	25
$40 - 50$	30
$50 - 60$	10

                                                                                       3

Part B (Answer any 4 questions. Each carries 6 marks)

9. Explain features of Statistics   6

10. Statistics is the "Science of Averages". Explain   6

11. Explain the factors to be considered while using secondary data   6

12. Explain how measures of dispersion contribute to understanding and analyzing data more effectively.   6

13. Describe the purpose of measuring variation   6

14. Specify the differences between mean deviation and standard deviation.   6

Part C (Answer any 2 question(s). Each carries 14 marks)

15. What are the steps involved in the preparation of a pie chart? Illustrate your answer with the following data:

Mode of Transportation	Number of Students
Train	20
Bus	30
Car	10
Cycling	25
Walking	15

                14

16. Distinguish between the following terms;

    a)Simple Random sampling and Stratified Sampling

    b)Census method and sample method of data collection   14

17. Provide a detailed explanation of measures of central tendency and explore the different types commonly used.   14