



First Semester FYUGP Degree Supplementary Examination
January 2025/Regular Examination November 2024
KU1DSCBBA102 - BUSINESS STATISTICS
 2024 Admission onwards

Time : 2 hours

Maximum Marks : 70

Section A

Answer any 6 questions. Each carry 3 marks.

1. Give three limitations of Statistics
2. Define Statistics.
3. Define Geometric Mean
4. What is a measure of Central Tendency?
5. Give the merits of Mean Deviation
6. What is Concurrent Deviation method
7. What is Rank Correlation
8. What is the line of Best Fit?

Section B

Answer any 4 questions. Each carry 6 marks.

9. Write down the relationship between Mean, Median and Mode
10. Define Dispersion. What are the different types of measures of dispersion
11. Compute the Mean Deviation from the mean and also its coefficient for the following data:

Marks	10	15	20	25	30
Students	8	12	15	10	5

12. Find out the Coefficient of Correlation between X & Y

X	10	12	8	15	20	25	40
Y	15	10	6	25	16	12	8

13. By using the following information, obtain the two regression equations

X	2	4	8	6	7	9
Y	5	4	9	8	9	7

14. By using the following information, obtain the two regression equations

Particulars	X	Y
Arithmetic Mean (AM)	22.5	18.8
Standard Deviation (SD)	2.87	1.4
Coefficient of Correlation	0.95	

Section C

Answer any 2 questions. Each carry 14 marks.

15. Define Trend. What are the various methods of measuring it?
16. What is Time Series? Explain its features, functions and Utility.
17. What is frequency distribution? Give the steps in construction of frequency distribution