SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)
(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai - 600 044.
B.Sc.CGS - END SEMESTER EXAMINATIONS - NOV'2024
SEMESTER - IV
21UCGAT4004 - Statistical Methods

Total Duration : 2 Hrs.30 Mins.   Total Marks : 60

Section B

Answer any **SIX** questions $(6 \times 5 = 30$ Marks$)$

1. Explain various parts of tabulation.

2. List out the one-dimensional bar diagrams and describe multiple bar diagrams.

3. Write short notes on various types of correlation.

4. Classify the merits and demerits of the median.

5. Discuss the scatter diagram.

6. Describe the ogive curve.

7. State the assumptions of one-way analysis of variance.

8. Distinguish between small and large sample tests.

Section C

Answer any **THREE** questions $(3 \times 10 = 30$ Marks$)$

9. Explain the nature, scope, and limitations of statistics.

10. Describe skewness and kurtosis and its significance in statistical analysis.

11. Elaborately explain regression lines and state their uses.

12. Discuss critical region-test based mean and variance of large samples.

13. Discuss the analysis of the two-way ANOVA table.

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