

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.CSc.(CGS) - END SEMESTER EXAMINATIONS - APRIL 2025

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 bar diagrams and Pie diagram with examples.
2. Mention the merits and demerits of arithmetic mean.
3. Classify scatter diagram.
4. Explain Type I and Type II errors.
5. Describe the analysis of variance for one - way classification.
6. Explain briefly the types of skewness and kurtosis.
7. Explain different types of correlation with suitable examples.
8. Distinguish between Classification and Tabulation.

Section C

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

9. Explain Scope and Limitations of Statistics.
10. Explain the various measures of central tendency with their uses.
11. What are regression coefficients? State their properties.
How they related to correlation coefficient?
12. Explain the test of significance for single mean of a normal population in case of large sample.
13. Explain two way classification.
