

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. CS with CGS - END SEMESTER EXAMINATIONS APRIL - 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 the characteristics of good table in Statistics.
2. For two variables, there is only one correlation coefficient but there are two regression lines. Why?
3. What you mean by 5% level of significance and 1% level of significance and explain with suitable diagram.
4. Explain the procedure of one way ANOVA.
5. Explain the concept of skewness and its types with suitable diagrams.
6. Apply the rank correlation method in which situation with example?
7. What is the procedure for two sample Mean test in large samples?
8. Examine analysis of variance and write its assumptions.

Section C

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

9. Discuss the sources of secondary data.
10. What are the measures of dispersion and state any two of them deeply?
11. Explain scatter diagram method of measuring correlation.
12. Explain the procedure of test for a specified mean of small samples using t test. Also list the uses and properties of t test.
13. Derive the statistical analysis of two way ANOVA.
