

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.C.Sc(DS) - END SEMESTER EXAMINATIONS - APRIL 2025

SEMESTER - IV

22UDSCT4004 - Data Analytics

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

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

1. List out the characteristics of Big Data.
2. Classify the types of Chart used in graph.
3. Apply the concept of Variance and Standard Deviation to explore data on statistical analysis.
4. Relate the concept of Covariance with Correlation Coefficient.
5. Describe the importance of Scatter plot.
6. Compute how 'Dealing with missing values and outliers' are performed.
7. Illustrate the idea behind 'Model evaluation using Regression'.
8. Distinguish between Simple and Multiple Regression.

Section C

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

9. Describe the types of data with suitable examples.
10. Compute the mean, median and mode using a dataset of your own.
11. Differentiate between Karl Pearson's correlation coefficient and Spearman's correlation coefficient.
12. Prepare a report on data collection strategies.
13. Assess the measures for In-sample evaluation.
