

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 - V

24UCGET5B01 - Data Mining

Total Duration : 1 Hrs. 30 Mins.

Total Marks : 40

Section B

Answer any **TEN** questions ($10 \times 2 = 20$ Marks)

1. What are the steps in the data mining process?
2. What is data visualization, and why is it important?
3. What are the key elements of scatter plot?
4. How to choose appropriate visualization type for data?
5. State the types of Linear Model and state its use.
6. What is association rule mining?
7. What is the classification of association rules based on various criteria?
8. What is tree pruning?
9. What is linear regression?
10. What is Clustering in Data Mining?
11. What is star schema and snow flake schema?
12. What is concept hierarchy?

Section C

I - Answer any **FOUR** questions ($4 \times 5 = 20$ Marks)

13. Explain about Classification of Visualization Techniques.
14. Write a short note on three - dimensional spatial data w.r.t data visualization techniques.
15. Explain the Apriori Algorithm.
16. What are the various Constraints in Constraint based Association rule mining? Explain.
17. Write K-means clustering algorithm.
18. Classify various Clustering methods.
