

Roll.No.

24UCGET5B01

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 - NOVEMBER 2025
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. Define Data Mining.
2. List any two data mining tasks.
3. What is Data Integration?
4. Define Data Discretization.
5. Define Association Rule Mining.
6. What are Support and Confidence in association rules?
7. Define Classification.
8. What is a Bayesian Classifier?
9. Define Cluster Analysis.
10. What is a Similarity Measure?
11. What is the difference between Hierarchical and Partitional Clustering.
12. Name two issues regarding Classification and Prediction.

Section C

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

13. Explain the key differences between Data Mining and KDD with examples.
14. Describe the process of Data Integration and its challenges.
15. Explain the Apriori algorithm with its key steps.
16. Explain the process of Decision Tree Induction.
17. Explain the K-Means clustering algorithm with steps.
18. Discuss the challenges in Cluster Analysis.
