

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.Computer Science - END SEMESTER EXAMINATIONS - APRIL 2025

SEMESTER - V

22UCSCT5007 - Data Mining

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

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

1. Describe the basic statistical descriptions of data.
2. Show the major issues in data mining.
3. Discover the process of noisy data in data cleaning.
4. Explain the difference between data integration and transformation.
5. Illustrate the need of mining multilevel association rules.
6. Predict the requirements of constraint-based association mining.
7. Relate the implementation of Naïve Bayesian classification.
8. Determine the partitioning methods in large databases from k-Medoids to CLARANS.

Section C

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

9. Rephrase the measuring data similarity and dissimilarity.
10. Compute the discretization and concept hierarchy generation for numerical data.
11. Examine the process of Apriori algorithm to finding frequent itemsets using candidate generation.
12. Prepare the classification by decision tree induction.
13. Compare and construct the agglomerative and divisive hierarchical clustering.
