

26803097



26803097



Reg. No.....

Name.....

INTEGRATED M.C.A. (IMCA) DEGREE EXAMINATION, JUNE 2026

Eighth Semester

IMCA 802—DATA MINING AND WAREHOUSING

(2019 Admissions—Supplementary/2017–2018 Admissions—Mercy Chance)

Time : Three Hours

Maximum : 75 Marks

Part A

*Answer any **ten** questions.*

Each question carries 3 marks.

1. What are the classification and prediction in data mining ?
2. Define: “Outlier Analysis”.
3. Explain the data warehouse back-end tools and utilities.
4. Describe the concept hierarchy generation for categorical data.
5. Recall the generating association rules from frequent itemsets.
6. Write a note on frequent pattern mining.
7. What is tree pruning ?
8. Show the rule extraction from a decision tree.
9. What are the vector objects in cluster analysis ?
10. Elucidate the hierarchical clustering algorithm for categorical attributes.
11. Distinguish between the ubiquitous and invisible data mining.
12. List out the data mining in other scientific applications.

(10 × 3 = 30)

Turn over





26803097

Part B

*Answer **all** questions.*

Each question carries 9 marks.

13. (a) Integrate the classification of data mining systems.

Or

- (b) Determine the tables and spread sheets to data cubes in multidimensional data model.

14. (a) Compare and construct the data integration and transformation.

Or

- (b) Discuss the mining frequent item sets without candidate generation.

15. (a) Highlight the implementation of Naïve Bayesian classification.

Or

- (b) Inference the use of IF-THEN rules for classification.

16. (a) Evaluate the partitioning methods in large databases in from k -Medoids to CLARANS.

Or

- (b) Rephrase the density-based clustering method based on connected regions with sufficiently high density.

17. (a) Discover the data mining for financial data analysis.

Or

- (b) Predict the recent trends in data mining.

(5 × 9 = 45)

