

Roll No.

Total Pages: 3

10217

MCA/M-15
DATA WAREHOUSING AND DATA MINING
Paper-MCA-402

Time Allowed: 3 Hours]

[Maximum Marks: 80

Note: Attempt five questions in all, selecting at least one question from each unit.
Question No. 1 is compulsory.

Compulsory Question

1. (a) Differentiate between fact and dimension Tables.
(b) Differentiate between continuous and categorical data with suitable example.
(c) How you will integrate data warehousing to Data Mining?
(d) Briefly explain different data mining system architectures.
(e) Write a note on Tree pruning.
(f) What do you mean by support and Confidence?
(g) Write a note on interval-Scaled variables.
(h) What do you mean by Divisive approach of clustering?

UNIT-I

2 (a) Define Data warehouse. What do you know about the time lines of Data warehousing development?

(b) Illustrate the different OLAP operations with suitable example.

3 Discuss in detail the step for designing, construction and implementation of Data Warehouse.

UNIT-II

4 (a) what do you mean by Data mining? Discuss Data Mining functionalities. Explain the major issues in the process of Data Mining.

(b) Why we preprocess the data? Discuss the strategies of data reduction.

5. (a) What defines a Data mining task? Discuss the various Data mining primitives.

UNIT-III

6 What are the issues in Classification? State an example for classification using prediction.

7. What do we mean by market basket analysis and how multidimensional association rules can be generated from relational database and Data Warehouse?

UNIT-IV

8 (a) List the name of available Data Mining tools. Sketch a comparative chart among them on the basis of their performance.

(b) Discuss the potential application areas for Data Mining implementation.

9. Explain similarity and distance measures for clustering algorithms. Discuss model-based method for clustering.