

Exam.Code:1007
Sub. Code: 7717

1129
M.E. (Information Technology)
Third Semester
MEIT-315: Advanced Data Mining

Time allowed: 3 Hours

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting two questions from each Unit.
x-x-x

Max. Marks: 50

I. Answer the following:-

- a) What are Data Marts and Data Warehouses?
- b) Do we normally perform OLTP on Data warehouse? Why not?
- c) Compare supervised learning and unsupervised learning techniques?
- d) What is Embedded data mining?
- e) What are dimensions and facts?

(5x2)

UNIT - I

- II. a) Analyse and compare various Data Warehouse Administration and Management tools using suitable examples.
b) Compare general RDBMS and Parallel RDBMS features using suitable examples. (2x5)
- III. a) Compare and discuss various techniques for data reduction.
b) How is data transformation performed? Discuss various techniques for it. (2x5)
- IV. Compare various techniques for Concept Description using real life case studies. (10)

UNIT - II

- V. Compare OLTP and OLAP in detail using real life case scenarios. (10)
- VI. Compare Bayesian classification and Decision Tree Induction using suitable examples. (10)
- VII. a) Discuss various tools used in Enterprise Reporting using a real-life scenario.
b) Compare ER modeling and Multi dimensional modelling using suitable examples. (2x5)