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

Time allowed: 3 Hours

Max. Marks: 50

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

x-x-x

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)

x-x-x