B.E. (Eighth Semester) EXAMINATION, June, 2011 (Information Technology Engg. Branch)

Note: Attempt one question from each Unit. All questions carry equal marks.

Unit-I

1. (a) Differentiate between operational database and data warehouse. 10

(b) Discuss in detail about data transformation.   10

2. (a) Explain about concept of hierarchy generation for categorical data. 10

(b) Briefly describe 3-tier Data warehouse architecture. 10

Unit-U

(a) What is PDA ? How do people use them ? What do you think will happen with these products over the next few years ? 10

(b) Explain the following: 10

(i) Hypercube

(ii) Metadata warehouse

(iii) MDDB

4. (a)Explain multidimensional data models briefly. 10

(b)Briefly discuss types of OLAP and also explain the processing of OLA P queries. 10

Unit-III

5(a) What is data mining ? Briefly describe the components of a data mining system. What kinds of patterns can be identified in a data mining system ? 12

(b) "Text mining is different from conventional data mining". Comment. 8

6.(a) What are the different ways of interfacing a data mining system with database systems ?

(a) Explain KDD briefly. Distinguish between KDD and data mining.

UNIT-IV

(a) Discuss the concept of frequent sets, confidence and support. 10

(b) Define a FP-tree. Discuss the method of computing a FP-tree. 10