

B. Tech Degree VII Semester (Supplementary) Examination July 2010

IT 705 (E) DATA MINING AND WAREHOUSING (2006 Scheme)

Time : 3 Hours

Maximum Marks : 100

PART A

Answer **ALL** questions)

(8 x 5 =40)

- I. a. Explain how the evolution of database technology led to data mining.
 b. Describe two challenges to data mining regarding performance issues.
 c. What is a Data Warehouse?
 d. How do data warehousing and OLAP relate to data mining?
 e. Why preprocess the Data, discuss?
 f. Discuss issues to consider during data integration.
 g. What is concept description?
 h. Discuss the two general approaches to concept characterization.

PART B

(4 x 15 =60)

- II. Discuss Data Mining Functionalities.

OR

- III. Discuss the major issues in Data Mining.

- IV. Discuss the schemes for multidimensional Databases.

OR

- V. Explain the OLAP operations in the Multidimensional Data Model.

- VI. What is Data Reduction and explain the strategies for data reduction?

OR

- VII. Explain the different methods for numeric concept hierarchy generation.

- VIII. Discuss why analytical characterization is needed and how it can be performed.

OR

- IX. What is attribute – oriented induction? Discuss the basic algorithm for attribute - oriented induction.