## Printed Pages—2

**TCS031** 

(Following Paper ID and Roll No. to be filled in your Answer Book)										
PAPER ID: 0105 Roll No.										

## B.Tech.

## (SEM. VII) ODD SEMESTER THEORY EXAMINATION 2010-11 DATA MINING AND DATA WAREHOUSING

Time: 3 Hours Total Marks: 100

Note: — Attempt all questions.

- 1. Attempt any two parts of the following:— (10×2=20)
- (a) (i) Identify and describe the basic phases in KDD process.
  - (ii) Describe the basic architecture of Data Warehouse.
  - (b) Explain the multi dimensional data and data cube. Describe the basic operations performed on data cube.
  - (c) What do you mean by cleaning of the data? Explain the important types of data cleaning.
- 2. Attempt any *two* parts of the following:— (10×2=20)
  - (a) What is association rule mining? Explain the Apriori algorithm to find the frequent item sets.
  - (b) Explain the mining multidimensional association rules from relational databases and data warehouses.
  - (c) Discuss why analytical characterization and attribute relevance analysis are needed and how these can be performed?

(b) Describe the MOLAP and ROLAP in brief. Write their contribution in building of data warehouse.(c) Explain the following:—

- (i) Tuning Data Warehouse
- (ii) Testing Data Warehouse.

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Attempt any two parts of the following:—

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 $(10 \times 2 = 20)$