

Roll No.

--	--	--	--	--	--	--	--	--	--

No. of Printed Pages—2

LIBRARY  
Raj Kumar Gcel Institute of Technology  
GHAZIABAD  
B. TECH.

CS-031

EIGHTH SEMESTER EXAMINATION, 2003–2004  
DATA MINING AND WAREHOUSING

Time : 3 Hours

Total Marks : 100

Note : (1) Attempt ALL questions.

(2) All questions carry equal marks.

1. Attempt any FOUR parts of the following :—

- (a) Define the Data Warehousing and its basic characteristics.
- (b) Briefly describe about the historical development of client/server systems.
- (c) Describe about the multi-processor systems.
- (d) Describe about the DBMS connectivity.
- (e) Discuss about the Reliability and Availability of Relational Database systems.
- (f) Describe the features of Sybase systems.

2. Attempt any FOUR parts of the following :—

- (a) Is Data Warehouse a Database ? Explain.
- (b) What are the design considerations for data warehouse ?
- (c) Describe about the Metadata and state how it is useful.
- (d) Explain the use of Data Partitioning.
- (e) Describe about the data cardinality in data warehousing.
- (f) Describe about the Metadata Repository.

3. Attempt any FOUR parts of the following :—
- (a) Describe about the Reporting and Managed Query tools.
  - (b) What are the basic guidelines for OLAP ?
  - (c) What is Pattern ? Describe about visualising of pattern.
  - (d) What is the Model ? Describe about Selection and Acquisition.
  - (e) What is Missing Data ? How is this problem solved ?
  - (f) What is Hypothesis Testing ?
4. Attempt any TWO parts of the following :—
- (a) Describe about the Data Mining Effectiveness.
  - (b) How are decision trees useful in Data Mining ? Explain.
  - (c) What is a Neural Network ? Explain.
  - (d) Describe about the Back Propagation in Neural Networks.
5. Attempt any TWO parts of the following :—
- (a) Describe about the hierarchical and non-hierarchical clustering.
  - (b) What is Mutation ? Explain.
  - (c) Describe about the Data Visualisation principles.
  - (d) What do you understand by Data Quality ? Explain.
-