

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

**PAPER ID : 1042**

Roll No.

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**B.Tech.**

EIGHTH SEMESTER EXAMINATION, 2004-2005

**DATA MINING AND WAREHOUSING**

Time : 3 Hours

Total Marks : 100

**Note :** (i) Attempt **ALL** questions.

(ii) All questions carry equal marks.

1. Attempt **any four** of the following : (5×4=20)

- What are the characteristics of the data in a data warehouse ?
- What is difference between physical and a logical data warehouse ?
- Explain Data warehouse life cycle ?
- What is data sourcing ? Explain.
- What are the uses of data warehouse ?
- What is the data architecture of data warehouse operations ?

2. Attempt **any two** of the following : (10×2=20)

- Describe the structure of a data warehouse with the help of a diagram.
- What are Data Warehouse design issues ? Explain with examples.
- Discuss DBMS schemas for Decision support.

- (a) Differentiate between OLTP and OLAP with examples.
- (b) Discuss various Report generating and Query tools.
- (c) State 12 rules for evaluating OLAP products developed by E.F. Codd.

4. Attempt *any two* of the following : (10x2=20)

- (a) Discuss most commonly used techniques in Data Mining.
- (b) Discuss the advantages and disadvantages of Data Mining.
- (c) Give examples of main tasks that are solved by a data mining system.

5. Attempt *any two* of the following : (10x2=20)

- (a) Write a note on Data visualization and overall perspective.
- (b) Big Data-Better Results. Justify the statement.
- (c) Write short note on the following :
  - (i) Decision tree.
  - (ii) Genetic Algorithm.

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