

Master of Computer Application (MCA)-I Second Semester old  
**2MCA2 - Data Warehousing and SQL Paper – II**

P. Pages : 2

Time : Three Hours



**GUG/W/18/2123**

Max. Marks : 80

- Notes :
1. All the questions are compulsory and carry equal marks.
  2. Draw neat and labelled diagram wherever necessary.
  3. Avoid vague answers.

**1.** Either

- a) Explain in detail the Architectural strategies of Data warehouse. **8**
- b) Discuss in detail Managed query Environment. **8**

**OR**

- c) Explain in detail various categories of OLAP Tools. **8**
- d) Discuss in detail Tools for Data warehousing. **8**

**2.** Either

- a) What is Data Mart? Explain the process of loading a Data Mart. **8**
- b) Explain in detail the Data Mining algorithm. **8**

**OR**

- c) Discuss in detail software component for Data Mart. **8**
- d) Explain the following. **8**
  - i) Metadata for a Data Mart.
  - ii) Data Model for Data Mart.

**3.** Either

- a) Explain in detail the concept of Relational Database. **8**
- b) Write and explain any four SQL functions with syntax and example. **8**

**OR**

- c) Explain the following. **8**
  - i) Query Result.
  - ii) Sub Queries.
- d) Explain in detail various SQL Data types. **8**

4. Either
- a) What is meant by stored procedure? Explain in detail. 8
  - b) Explain How the data retrieval takes place in Embedded SQL? 8

**OR**

- c) Discuss in detail about Views. 8
  - d) Explain in detail Database Level and server level Triggers. 8
5. Attempt all the questions.
- a) Write a short note on Data Modeling. 4
  - b) Explain in brief Database Segmentation. 4
  - c) Explain any one type of Join with example. 4
  - d) Discuss in brief about Avoidance of Deadlock. 4

\*\*\*\*\*