

B.Sc.-III (Information Technology) (CBCS Pattern) Semester - V
004 - Paper-II (Elective-I) : Data Warehousing And Data Mining

P. Pages : 2

Time : Three Hours



GUG/S/23/13131

Max. Marks : 40

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- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagrams wherever necessary.
 3. Avoid vague answers and write answers relevant and specific to questions only.

Either:

1. a) Explain the Information Life cycle in detail. 4
- b) Define Database. Explain types of database in detail. 4

OR

- c) Explain the components of Data Warehousing in brief. 4
- d) What is Data Decentralization? Explain in detail. 4

Either:

2. a) Define OLAP. Write down the characteristics of OLAP. 4
- b) Explain the working of OLAP. 4

OR

- c) Write down the Comparison between OLTP and OLAP? 4
- d) Explain the types of OLAP Server. 4

Either:

3. a) Explain the Granular data in detail. 4
- b) What is Data Model for Data Mart explains in detail? 4

OR

- c) Explain the maintenance of Data Marts in detail. 4
- d) What are the Performance Issues and Security in a Data Marts? 4

Either:

4. a) Explain in detail about Data Mining in detail. 4
- b) Write down the algorithm for Data Mining. 4

OR

- c) Explain the major issues in data mining in detail. **4**
- d) What are the Data Mining Tools explain in brief. **4**

5. Attempt **all** the questions.

- a) Explain the tools for Data warehousing. **2**
- b) Write the advantage of OLAP. **2**
- c) Define the External Data in brief. **2**
- d) Write down the application of Data mining. **2**
