

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

P. Pages : 1

Time : Three Hours



GUG/W/23/13131

Max. Marks : 40

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagram and use supporting data wherever necessary.
 3. Avoid vague answers and write specific points / answer related to questions.

Either:

1. a) Elaborate the Data Warehousing in brief. 4
- b) Explain the concept of Data cleaning in detail. 4

OR

- c) Define Database. Explain types of database in detail. 4
- d) What is MIS? List the characteristics of MIS. 4

Either:

2. a) Elaborate the working of OLAP. 4
- b) Write down the comparative analysis of OLAP and OLTP. 4

OR

- c) Define OLAP. Write down the advantages and disadvantages of OLAP. 4
- d) Write a note on:
i) Drill Down ii) Roll up 4

Either:

3. a) Explain the Data Requirements for Data marts in detail. 4
- b) Distinguish between Data Mart and Data Warehouse 4

OR

- c) Write a note on - Maintenance of Data Mart. 4
- d) Discuss the Granular data in brief. 4

Either:

4. a) What is Data Mining? List the key features of data mining. 4
- b) Describe the major issues in Data mining. 4

OR

- c) Elaborate what kind of technique are offer on data mining algorithm. 4
- d) List the challenges in implementing data mining. 4

5. Solve all the questions.
- a) Write a short note on Data Reduction. 2
- b) Explain ROLAP in short. 2
- c) What is role of metadata in data warehouse? 2
- d) Discuss on what type of data, data mining can work in short. 2
