

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

P. Pages : 1

Time : Three Hours



GUG/W/22/13131

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) What is Data Processing? What is the need of Data processing? 4
b) Explain the concept of Data Cleaning in detail. 4
- OR**
- c) Explain Data Warehousing Architecture in detail. 4
d) Describe Information Life Cycle in detail. 4

Either:

2. a) Explain working of OLAP in brief. 4
b) Differentiate between OLTP and OLAP. 4
- OR**
- c) Define OLAP. Give the characteristics of OLAP. 4
d) Explain Roll Up and Drill Down operation in detail. 4

Either:

3. a) Define Metadata. Explain Granular data in detail. 4
b) What is Reference data? Explain. 4
- OR**
- c) Write a note on Data Model for Data Mart. 4
d) Explain the steps in implementing a data mart. 4

Either:

4. a) What is Data Mining? Explain the basics functions of Data Mining. 4
b) What is Database Segmentation? Describe in brief. 4
- OR**
- c) Describe the major issues in Data Mining. 4
d) Explain Predictive Modeling in detail. 4

5. Attempt **all** the questions.
- a) Write a short note on Data Integration. 2
b) Explain features of OLAP in detail. 2
c) What is External data? Explain. 2
d) Describe the steps of Data Mining in detail. 2
