

B.SC. (Information Technology) III Sixth Semester
6BIY2 - Paper-II : Data Warehousing and Data Mining

P. Pages : 2

Time : Three Hours



GUG/W/18/1448

Max. Marks : 80

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- 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 answer related to questions.

1. Either :

- a) Define Data Warehousing. Write down the characteristics of Data Warehouse? 8
- b) Explain Security in data mart with suitable example. 8

OR

- c) Explain the types of Data Mart with suitable example. 8
- d) Write short notes on : 8
 - i) External Data.
 - ii) Reference Data.

2. Either :

- a) What is OLTP and OLAP system? Explain with suitable example. 8
- b) Write short notes on : 8
 - i) Pilot software
 - ii) Brio Technology

OR

- c) What is Data Modelling? Explain star schema for multidimensional view? 8
- d) What is OLTP Tools and Internet? Explain. 8

3. Either :

- a) What is Data Mining? Explain the steps of Data Mining with suitable example. 8
- b) Explain Data Warehouse Architectural strategies with suitable diagram and example. 8

OR

- c) Write short notes on : 8
- 1) Database segmentation.
 - 2) Predictive Modelling.
- d) Explain the developing of Data Warehouse. 8

4. Either :

- a) Describe the tools for Data Warehousing. 8
- b) Write short notes on : 8
- 1) National Data Warehouse.
 - 2) Census Data

OR

- c) What are Crucial Decisions in designing A Data Warehouse? Explain why? 8
- d) What are the Application of Data Warehousing & Data Mining? Explain with suitable example. 8

5. Solve all the questions.

- a) Explain the nature of Data in Data Mart? 4
- b) What are the categories of OLAP? Explain. 4
- c) Describe Link Analysis with suitable example. 4
- d) What is performance considerations? Explain. 4
