



- 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
