

muadda.com QP Code : 17804

[3 Hours]

[Total Marks:80

- N.B. : (1) Question No. 1 is **compulsory**.
 (2) Attempt any **four** from remaining six questions.

1. (a) Write a note on data partitioned parallelism. 5
 (b) Write a note on nesting and unnesting. 5
 (c) Write a note on asynchronous replication in distributed databases 5
 (d) Differentiate between Datawarehouse Vs Datamarts 5
2. (a) Define OLAP. Explain MOLAP and ROLAP with suitable diagrams. 8
 (b) What are the different complex data types available in ORDBMS? Explain with example. 7
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3. (a) Explain concurrency control and recovery in Distributed Database Management System. 8
 (b) Explain the features of XML and also differentiate XML with HTML. 7
4. (a) Explain ORDBMS database implementation challenges in detail. 8
 (b) Discuss the architecture of distributed database system in detail. 7
5. (a) What is priori property? Describe an algorithm for finding frequent item sets. 8
 (b) Describe the steps of data warehouse implementation. 7
6. (a) What is Dimension modeling? Discuss different dimension modeling techniques in detail. 8
 (b) Define Classification. Explain K-nearest Neighbors algorithm in detail. 7
7. Write short notes on:— 15
 - a. RDBMS Vs ORDBMS
 - b. Multimedia databases muadda.com
 - c. Web Content Mining