



C14-CM-503

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BOARD DIPLOMA EXAMINATION, (C-14)  
OCT/NOV—2018  
DCME—FIFTH SEMESTER EXAMINATION  
ADVANCED DATABASE SYSTEMS

Time : 3 hours]

[ Total Marks : 80

**PART—A**

3×10=30

- Instructions :** (1) Answer **all** questions.  
(2) Each question carries **three** marks.  
(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. Define commit, rollback.
2. List various states of transaction.
3. Compare distributed database with centralized database.
4. List the components of DDBMS.
5. Define data replication.
6. List any three advantages of OODBMS.
7. What is Super Class?
8. Define OLAP.
9. List DSS Components.
10. Define Cluster Analysis.

**PART-B**

10×5=50

- \* **Instructions :** (1) Answer *any five* questions.  
(2) Each questions carries **ten** marks.  
(3) Answers should be comprehensive and the criteria for valuation are the content but not the length of the answer.

11. Explain transaction management with SQL.
12. What is meant by fragmentation? Explain the types of fragmentation.
13. Explain the levels of data and process distribution.
14. Explain Class-Sub class relationship.
15. Explain OOD Management systems.
16. (a) List any five DSS architectural systems.  
(b) Compare ROLAP and MOLAP.
17. Explain star schema representations.
18. Explain the procedure of data warehousing to data mining.

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