



C14-CM-503

4626

**BOARD DIPLOMA EXAMINATION, (C-14)**  
**OCT/NOV—2016**  
**DCME—FIFTH SEMESTER EXAMINATION**  
**ADVANCED DATA BASE SYSTEMS**

Time : 3 hours ]

[ Total Marks : 80

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**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. What is transaction log? Write its function. 2+1
2. What is scheduler? 3
3. Write any three disadvantages of centralized database management system. 3
4. Compare homogeneous database with heterogeneous distributed database. 1½+1½
5. Write briefly about transaction transparency. 3
6. Write briefly about object classification. 3
7. Write the difference between late binding and early binding. 1½+1½

- \* 8. What is the need for data analysis? 3
9. List any three advantages of star schema. 3
10. Compare data mining with OLAP.  $1\frac{1}{2}+1\frac{1}{2}$

**PART—B**

10×5=50

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

11. What is transaction? Explain the transaction properties. 2+8
12. List and explain the components of DDBMS. 10
13. Explain the levels of data and process distribution. 10
14. Explain object-oriented database management systems. 10
15. Write the advantages and disadvantages of OODBMS. 10
16. Explain DSS database requirements. 10
- \* 17. Explain briefly about ROLAP. 10
18. Explain different types of data mining algorithms. 10

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