C09–CM–**606C**

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BOARD DIPLOMA EXAMINATION, (C–09)
MARCH/APRIL—2017
DCME—SIXTH 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. What is transaction log?

2. Explain the need for fragmentation.

3. List the components of DDBMS.

4. What do you mean by data replication?

5. What are superclass and subclass?

6. What is versioning?

7. List out DSS database requirements.

8. What is decision support data?

9. List the phases in data mining.

10. What is OLAP?

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. *(a)* Classify distributed databases into various types.

(b) Explain about MPSD.

12. *(a)* What are the functions of distributed database?

(b) What are the factors that affect fragmentation?

13. *(a)* Explain the concept of inheritance.

(b) Write the advantages of OODBMS.

14. Explain representation of M : N relationship with an intersection class with an example.

15. Explain the different OLAP types.

16. Explain the trilogy-data, analysis and user in data warehouse implementation process.

17. Explain about data mining algorithms.

18. Explain directed and undirected data mining.

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