



C14-CM-503

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BOARD DIPLOMA EXAMINATION, (C-14)
MARCH/APRIL—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. What is transaction log?
2. Define the scheduler.
3. Define DDBMS.
4. What is meant by data allocation?
5. What is performance transparency?
6. Differentiate between late binding and early binding.
7. What is meant by versioning?
8. Write a short note on fact tables.
9. Write the features of data warehouse.
10. What is data mining?

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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. Explain concurrency control. 10

12. Explain CJ Date's twelve commandments of DDBMS. 10

13. Explain distributed transparency and failure transparency. 5+5

14. Explain the advantages and disadvantages of OODBMS. 10

15. Explain the characteristics of OODBMS. 10

16. Explain ROLAP. 10

17. (a) Differentiate between operational data and decision support data.

(b) List the twelve rules to define data warehouse. 3+8

18. Explain data mining functionalities. 10

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