

**4626****BOARD DIPLOMA EXAMINATION, (C-14)****MARCH/APRIL-2019****DCME- FIFTH SEMESTER EXAMINATION****ADVANCED DATABASE SYSTEMS**

Time: 3 Hours ]

[Max. Marks : 80M

**PART-A****10x3=30M**

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

- 1) What is uncommitted data?
- 2) Define concurrency control.
- 3) Difference between DBMS and DDBMS.
- 4) Write briefly about distributed processing.
- 5) Write about multiple site processing, singles site data base system.
- 6) What is super class and subclass?
- 7) List the advantages of OODBMS.
- 8) What are the Requirements for DSS data base?
- 9) Write about facts and dimensions.
- 10) Define Data mining.

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## PART-B

**5x10=50M**

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

- 11) Define transaction. Explain transaction properties.
- 12) (a) Explain advantages and disadvantages of DDBMS.  
(b) Explain components of DDBMS.
- 13) (a) Explain transaction transparency in DDBMS.  
(b) Explain about horizontal fragmentation in DDBMS design.
- 14) (a) Write the characteristics of object oriented data model.  
(b) Explain the versioning feature in OODBMS.
- 15) Explain in detail inter object relationships in OODBMS.
- 16) Explain the twelve rules that define a data warehouse.
- 17) Explain multidimensional OLAP.
- 18) Explain the following functionalities.  
(a) Classification (b) Prediction.

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