



C16-CM-305/C16-IT-305

6231

BOARD DIPLOMA EXAMINATION, (C-16)  
MARCH/APRIL—2018  
DCME—THIRD SEMESTER EXAMINATION

DATABASE MANAGEMENT SYSTEM

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. Define instance and schema. 1½+1½
2. Define the terms 'foreign key' and 'primary key'. 1½+1½
3. Define normalization.
4. What is an embedded SQL?
5. List the features of SQL.
6. What is a sub-query?
7. Write the syntax of PL/SQL IF statement.
8. List the acid properties.

\* 9. Define Mongo database.

10. What is a query document?

**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 generalization and specialization. 10

12. Explain integrity constraints with examples. 10

13. Explain various data types supported by SQL. 10

14. (a) Explain about DML commands with examples. 5

(b) Compare the ACID and BASE properties. 5

15. Draw and explain block diagram of PL/SQL engine. 10

16. Explain various loop statements in PL/SQL with syntax. 10

\* 17. Explain about column-oriented database. 10

18. Explain the installation of Mongo database. 10

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