6231

BOARD DIPLOMA EXAMINATION, (C-16)

JUNE/JULY—2022

DCME - THIRD SEMESTER EXAMINATION

DATABASE MANAGEMENT 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. Define database systems.

2. Define instance and schema.

3. List schema objects.

4. What is sub query? Give an example.

5. State features of SQL.

6. What is literal? List different types of literals.

7. List features of PL/SQL.

8. Write the need of NOSQL.

9. Write the advantages of MONGODB.

10. List the data types in MONGODB.

PART—B

Instructions : (1) Answer *any* **five** questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

11. Explain database abstractions with the help of a diagram.   10

12. Explain various normal forms in detail.   10

13. Explain the creation of view from multiple tables with example.   10

14. *(a)* Explain about DML commands.   5

(b) Compare ACID and BASE properties.   5

15. What is exception? Explain re-raising of an exception.   10

16. Explain the various data types of PL/SQL in detail.   10

17. Explain the column-oriented databases in NOSQL.   10

18. Explain how to create and drop database in MONGODB.   10

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