



C16-CM-IT-305

6231

BOARD DIPLOMA EXAMINATION, (C-16)
JANUARY/FEBRUARY—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. List the advantages of Database System.
2. Define the terms Super key, Candidate key and Primary key.
3. Write about levels of data abstraction.
4. List any six benefits of SQL.
5. Write about Embedded SQL.
6. List any six group functions.
7. Define the term Exception-handling.
8. State the need for NoSQL.
9. List any three applications of MongoDB.
10. Write how to create and drop a database in Mongo DB.

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[Contd...

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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 the overall System structure of DBMS. 10
12. Explain the steps involved in convert the E-R diagrams into table with an example. 10
13. Explain any five DML commands with examples. 10
14. Explain Decision making statements with examples. 10
15. List and Explain the parameter modes in PL/SQL with examples. 10
16. (a) Explain Inner Join and Outer Join. 5
(b) Write differences between NoSQL and SQL. 5
17. (a) Explain in detail about Column oriented database. 5
(b) Explain in detail about Document oriented database. 5
18. Explain Insert, Query, Update, Delete commands of MongoDB with examples. 10

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