



**C23-CM-AIM-CAI-CCN-CIOT-305**

**23192**

**BOARD DIPLOMA EXAMINATION, (C-23)  
OCTOBER/NOVEMBER—2024  
DCME – THIRD SEMESTER EXAMINATION  
DATABASE MANAGEMENT SYSTEMS**

*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. List any three advantages of DBMS.
2. Write the purpose of data independence.
3. Define the terms primary key, candidate key and super key.
4. Write any three benefits of SQL.
5. List any three DML commands.
6. List any three features of PL/SQL.
7. Define procedure and function in PL/SQL.
8. Define trigger.
9. Define % FOUND and % ISOPEN attributes in PL/SQL cursors.
10. Write any three data types in MongoDB.

**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 mapping cardinalities in DBMS.
12. Explain functional dependencies and normalization.
13. Explain integrity constraints.
14. Explain the different types of joins.
15. Explain about decision making statements in PL/SQL.
16. Explain parameter modes in PL/SQL with examples.
17. Explain implicit and explicit cursors with example.
18. Explain the difference between acid and base properties in NoSQL.

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