



**C20-CM-WD-AIM-CCB-CCN-305**

**7238**

**BOARD DIPLOMA EXAMINATION, (C-20)  
OCTOBER/NOVEMBER—2024  
DCME – THIRD SEMESTER EXAMINATION**

DBMS

*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. Write any three advantages of DBMS.
2. Define foreign key in DBMS.
3. Write a SQL query to add UNIQUE constraint to the existing column 'rank' of a student table.
4. What is the purpose of LIKE operator in SQL?
5. Write any three features of PL/SQL.
6. Write parameter modes in PL/SQL.
7. List any three attributes of cursor in PL/SQL.
8. Write the advantages of exception handling.
9. What is ACID?
10. How to create a database in MongoDB?

- Instructions :** (1) Answer **all** questions.  
(2) Each question carries **eight** marks.  
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

**11.** (a) Explain data models.

**(OR)**

(b) Explain normalization with examples.

**12.** (a) Explain SELECT statement with WHERE and ORDER BY clauses with examples.

**(OR)**

(b) Explain character functions in SQL with examples.

**13.** (a) Explain loop statements in PL/SQL with an example program.

**(OR)**

(b) Explain creation of function in PL/SQL with an example.

**14.** (a) Explain database triggers.

**(OR)**

(b) Explain user defined exceptions.

**15.** (a) Explain about document oriented database.

**(OR)**

(b) Explain insert and update documents in MongoDB.

**PART—C**

10×1=10

- Instructions :** (1) Answer the following question.  
(2) The question carries **ten** marks.  
(3) Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer.

**16.** Write a PL/SQL program to display all the details of students from student table who secured highest marks. Student table is as follows :

pin	sname	Marks
1	RAJENDRA	30
2	AKASH	50
3	KIRAN	40
4	LAKSHMI	50
5	RAVI	48

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