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

**7238**

**BOARD DIPLOMA EXAMINATION, (C-20)**

**MAY—2023**

**DCME - THIRD SEMESTER EXAMINATION**

**DBMS**

*Time : 3 hours ]*

*[ Total Marks : 80*

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**PART—A**

$3 \times 10 = 30$

- 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 duties of a database administrator.
2. Define attribute and entity.
3. List various types of DDL statements.
4. Write the difference between truncate and delete commands of SQL.

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5. What is the syntax of while LOOP in PL/SQL?
6. Define subprogram.
7. List any three named exceptions.
8. Write the syntax for ‘trigger’ creation.
9. List the commands used for CRUD operations in MongoDB.
10. State the need of NoSQL.

- 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 different levels of data abstraction.

**(OR)**

(b) List and explain mapping cardinalities.

**12.** (a) Explain about various TCL statements in SQL.

**(OR)**

(b) Explain any four string functions with examples in SQL.

**13.** (a) Explain about scope and visibility of a variable in PL/SQL.

**(OR)**

(b) Explain about various comparison operators in PL/SQL.

**14.** (a) Explain how to re-raise an exception in PL/SQL.

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**(OR)**

(b) Explain about life cycle of a cursor.

**15.** (a) Explain the process of creating and dropping of collections in mongoDB.

**(OR)**

(b) Explain about key-value stores databases.

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## 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.** Explain the process of joining 3 tables in SQL with example.

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