



C09-CM-306/C09-IT-306

3232

BOARD DIPLOMA EXAMINATION, (C-09)  
OCT/NOV—2017  
DCME—THIRD SEMESTER EXAMINATION

RDBMS

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. What is data manipulation language?

2. Define data abstraction.

3. Define primary key. Give examples.

4. List the different DML commands.

5. What is subquery? Give an example.

6. Define schema.

7. What is check integrity constraint? Give an example.

8. What are PL/SQL tables?

9. Write the syntax of creating trigger.

10. Differentiate between subprogram and stored subprogram.

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**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.** (a) Define the concept of aggregation. Give two examples where this concept is useful.

(b) Differentiate between generalization and specialization.

**12.** Explain 1st and 2nd normal forms with example.

**13.** Give the syntax for referring schema objects in SQL statement. Explain with an example.

**14.** Explain the creation of view from multiple tables with example.

**15.** Explain PL/SQL functions with an example.

**16.** (a) List the advantages of exceptions.

(b) Consider the following block of PL/SQL code :

```
DECLARE
    V_Number NUMBER(3)='ABC';
BEGIN
    ...
EXCEPTION
    WHEN OTHERS THEN
    ...
END;
```

Explain the propagation of exception in the above block of code.

**17.** What are the rules to overload subprograms? Give example.

**18.** (a) Explain different categories of data types.

(b) Explain the procedure to alter a table with example.

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