

4236

BOARD DIPLOMA EXAMINATION, (C-14)

MARCH /APRIL-2019

DCME - THIRD SEMESTER EXAMINATION

RDBMS

Time: 3 Hours]

[Max.Marks: 80

PART-A

3x10=30M

Instructions: 1) Answer **all** questions. Each question carries **three** marks.
2) Answer should be brief and straight to the point and shall not exceed five simple sentences.

- 1) List out the symbols used in E-R Diagram.
- 2) List any three Data models.
- 3) Explain is the difference between a 2NF and a 3NF relation.
- 4) List any three pseudo colomns.
- 5) Explain different types of literals in SQL.
- 6) Write the syntax for UPDATE Command in SQL.
- 7) Define an exception and Give an example.
- 8) List the features of PL/SQL.
- 9) Define CURSOR and List the types of cursors.
- 10) Diffentiate between package body and package specification.

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PART-B

5x10=50M

Instructions: 1) Answer any **five** questions.
2) Each question carries **ten** marks.
3) The answers should be comprehensive and the criteria for valuation is the content but not the length of the answer.

- 11) a) Explain the features of DBMS. 5
b) Explain the functions of Database Administrator. 5
- 12) Explain the overall database system architecture with block diagram.
- 13) Explain the format models for Date and Number in SQL.
- 14) a) Explain different types of Joins. 5
b) Explain the process of Creating, Altering and Dropping the tables in SQL. 5
- 15) Explain TCL commands with syntax and examples.
- 16) a) Define recursion. Write a recursive function to calculate factorial of a value. (2+5=7)
b) List any three differences between functions as procedures. 3
- 17) a) Explain the following statements with syntax in PL/SQL
i) While loop ii) for loop iii) GOTO statement. 5
b) List the advantages of subprograms. 5
- 18) What is stored subprogram and briefly explain with an example.

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