C14–CM–306/C14–IT–**306**

4236

BOARD DIPLOMA EXAMINATION, (C–14)
OCT/NOV—2015
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. Define instance and schema.

2. Define data independence. List the types of data independence.

3. Define superkey. Give an example.

4. List various data types of SQL.

5. List any two conversion functions and write their functionality.

6. List various TCL commands. Give their purposes.

7. List the names of any six schema objects.

8. List any three features of PL/SQL.

9. What is an explicit cursor. Give an example.

10. List any six advantages of packages.

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)* List and explain any five advantages of Database Management Systems.

(b) Explain overall database system structure with a neat block diagram.

12. List and explain various mapping constraints with examples.

13. Explain any five numeric functions of SQL with examples.

14. *(a)* List and explain any five benefits of SQL.

(b) List various guidelines for managing tables.

15. Explain the management of indexes with respect to create, alter and drop indexes.

16. Explain various decision-making statements with their syntax and examples.

17. *(a)* Explain exception propagation in PL/SQL.

(b) List and explain the advantages of subprograms in PL/SQL.

18. Define trigger and explain various types of database triggers.

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