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**B.C.A. (Fifth Semester)**

**RD-24-2010**

**FACULTY OF MANAGEMENT SCIENCE**

**B.C.A. (Fifth Semester) Examination**

**May/June, 2010**

**RDBMS CONCEPT USING ORACLE**

**Paper XXVIII**

**(Saturday, 12-6-2010)**

**Time-Three Hours**

**Maximum Marks-80**

“Please check whether you have got the right question paper.”

**N.B. :- (i) Solve any eight questions.**

**(ii) All questions carry equal marks.**

- |                                                        |    |
|--------------------------------------------------------|----|
| 1. Define RDBMS. State the purpose of RDBMS.           | 10 |
| 2. Explain the following parts of SQL with an example: | 10 |
| (a) Data manipulation language                         |    |
| (b) Data definition language                           |    |
| (c) Data control language                              |    |

**P.T.O.**

3. Consider the following table structure :

| FIELD NAME  | DATA TYPE |
|-------------|-----------|
| EMP NO.     | NUMBER    |
| DESIGNATION | CHARACTER |
| SALARY      | NUMBER    |

Write down queries in SQL for the following operations.

- (a) Create the above table
- (b) Display all records from table
- (c) Display names of employee with maximum salary.
- (d) Add a new column named experience
- (e) Delete all rows.

4. Write in short the basic concept of E-R Model. Explain with neat diagram all symbols used in E-R diagram. 10

5. Describe with syntax and examples various looping statements in PL/SQL. 10

6. Give a brief account on schemas, tables and views in oracle. Write proper syntax and definition. 10

7. Explain with example any four built-in functions in SQL. 10

8. How to create functions in PL/SQL? Explain with syntax. 10

9. Explain the following:

(a) SELECT command

(b) WHERE clause

(c) HAVING clause

(d) GROUP BY clause

10. Write short notes on:

(a) Constraints

(b) Normalization