5256

B.A./B.Sc. EXAMINATION

(For Batch 2011 to 2020 Only)

(Sixth Semester)

COMPUTER SCIENCE

Paper–V

Relational Database Management System

Time : *Three Hours*   *Maximum Marks* : 30

Note : Attempt *Five* questions in all. Q. No. **1** is compulsory.

(Short Answer Type Questions)

1. Define the following :

   (a) What is functional dependency ?   1

(b) What is meant by Views ? How is it created ? 1

(c) What are the situations in which a query will be created ? 1

(d) Define Foreign Key and Super Key. 1

(e) What are the basic SQL DDL commands ? 1

(f) How to define a table in oracle ? 1

Unit I

2. Explain any *four* Codd's Rules/Laws of RDBMS. Describe in detail. 6

3. Define Relational Algebra. Explain the Projection, Join and Division Operations with suitable examples. 6

Unit II

4. Define Normalization. What is its significance ? Explain the various types of normal forms along with suitable examples. 6

5. Explain Redundancy and the problems that it can cause with examples. 6

Unit III

6. Explain the various data types we use in SQL. How views created and destroyed in SQL ? 6

7. Explain the concept of Query, views in SQL. Explain with examples. 6

Unit IV

8. Explain PL/SQL Architecture. What are generic PL/SQL Block and PL/SQL Execution Environment. 6

9. What is PL SQL ? What is the difference between SQL and PL SQL ? 6

❖❖❖❖❖❖❖