END OF SEMESTER EXAMINATIONS, APRIL / MAY - 2017
RELATIONAL DATABASE MANAGEMENT SYSTEM
SUBJECT CODE : 14P3CA07

MAJOR : M.C.A   **SEMESTER : II**
TIME   : 3 HOURS   **MAX. MARKS: 70**

SECTION A – (5 X 3 = 15)

Answer ALL the Questions:

1. What are all the characteristics of the database approach?

2. What do you understand about entity type, entity sets, attributes?

3. What is the purpose of CREATE statement?

4. Define: functional dependency.

5. List out the types of security regarding to Database Security.

SECTION B – (5 X 11 = 55)

Answer ALL the Questions:

6. a) Write some advantages of using the DBMS approach.
    [OR]
    b) Explain Three-Schema architecture in detail for database language.

7. a) Give ER schema for a company database.
    [OR]
    b) Discuss Relational Model Concept in detail.

8. a) Explain in detail the different ways of specifying constraints in SQL.
    [OR]
    b) Give syntax and example for INSERT, DELETE and UPDATE statements and explain

    them in brief.

9. a) Describe of First, Second and Third Normal forms in detail.
    [OR]
    b) Differentiate between fourth and fifth normal forms with an example.

10. a) Explain discretionary access control based on granting and revoking privileges.
    [OR]
    b) List out desirable properties of transactions in Database processing.

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