[CB-BA521-A/CB-BS539-A/CB-BS525-A]

AT THE END OF FIFTH SEMESTER (CBCS PATTERN) DEGREE EXAMINATIONS

COMPUTER APPLICATIONS - V(A)

DATABASE MANAGEMENT SYSTEM

(Common For B.A.(CA), /B.Sc.(CS), /B.Sc.(CA))

(From The Admitted Batch of 2015-16)

Time : 3 Hours **Maximum : 75 Marks**

SECTION - A

I. **Answer any FIVE questions.** **(5×5=25)**

   1. Explain various components of DBMS with neat diagram.

   2. Explain different types of relationships.

   3. Domain Relational Calculus (DRC)

   4. Explain set operators in SQL.

   5. Explain various control structures in PL/SQL.

   6. Explain the Database Architecture.

   7. What is a key? Explain about various types of keys.

   8. Explain various data types in PI/SQL.

SECTION - B

II. Answer All the questions. (5×10=50)

9. a) What are the draw backs of file-based system? Explain.

(OR)

b) What are the advantages DBMS? Explain.

10. a) What is ER-modelling? Write advantages and disadvantages of ER-Modelling.

(OR)

b) What is EER model? Explain generalization and specialization.

11. a) Explain about Codd's relational database rules.

(OR)

b) Explain in detail about relational algebra.

12. a) Explain DDL and DML commands in SQL with syntax and example.

(OR)

b) Explain different types of Joins in SQL in detail.

13. a) Explain about procedures and functions in PI/SQL.

(OR)

b) What is a Trigger? Explain different types of triggers in PL/SQL.

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