Register No.

Time: 3 Hours
Maximum Marks:100

I. Fill in the blanks. Answer ALL questions. (10 x 1 = 10)

1. DBMS stands for _____

2. Overall design of database is known as _____

3. DML stands for _____

4. SQL stands for _____

5. _____ is the process of efficiently organizing data.

6. In ACID property I stands for _____

7. Expansion of JSP is _____

8. _____ is enforced with Primary key and Foreign key.

9. _____ statement is used to alter the structure of the database.

10. The _____ operator retrieves a subset of columns from a table.

II. Explain briefly. Answer any TEN questions. (10 x 4 = 40)

1. What is a candidate key?

2. What is a stored procedure?

3. What is a database trigger?

4. Define data independence.

5. What do you mean by commit and rollback?

6. Define BCNF?

7. Define deadlock.

8. Write the purpose of inner joins.

9. What is a view?

10. What is the role of primary key in a table?

11. Write the purpose of indexing in databases.

12. What is a database transaction?

13. Briefly explain the different aggregate functions.

III.Answer any FIVE questions. Explain in detail.   **(5 x 10 = 50)**

1. Explain the different Normal Forms with examples.

2. Briefly explain how we can create Forms and Reports in PL/SQL?

3. Explain the different Data Models.

4. Explain the fundamental operations in relational algebra.

5. Explain about File Organization.

6. Explain in detail about Data Definition Language.

7. What is Normalization? State the different Normal Forms with examples.

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