



CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY
(Under Government of Kerala)
CEP EXAMINATION-FEBRUARY 2021
Subject: RDBMS
DCA

Register No.

Time: 3 Hours

Maximum Marks:100

I. Fill in the blanks. Answer ALL questions.

(10 x 1 = 10)

1. DML stands for _____
2. A _____ is a collection of multiple relations.
3. Column of a table in database is called _____
4. In ACID property 'A' stands for _____
5. A technique for reducing disk accesses for direct access is _____
6. A _____ does not store any data; it presents table data.
7. A _____ is procedural code that is automatically executed in response to certain events on a table.
8. _____ is the formal description of how a relational database operates.
9. A _____ operation combines the product, selection, and, possibly, projection.
10. A _____ is a constraint between two sets of attributes in a relation from a database.

II. Explain briefly. Answer any TEN questions.

(10 x 4 = 40)

1. What is DDL?
2. Define data dictionary.
3. Describe commit and rollback.
4. What is Denormalization?
5. What is Referential Integrity?
6. Write the purpose of indexing in databases.
7. What is a foreign key?
8. What is a stored procedure?
9. Compare BCNF with third normal form.
10. Draw an ER diagram for student and course.

11. Write a note on database schema.
12. What is the importance of join query?
13. Write SQL statement to create table employee with empid, empname and empdesignation.

III. Answer any FIVE questions. Explain in detail.

(5 × 10 = 50)

1. Explain the advantages of DBMS?
2. Explain the different data models bringing out the features with examples.
3. Explain the different normal forms with examples.
4. Explain the three triggering events.
5. What is a Deadlock? Explain the concept of deadlock detection and prevention.
6. Explain the architecture of Client Server Systems.
7. Explain the PL/SQL Blocks sections in detail with example.
