

Dr. Babasaheb Ambedkar Open University
Term End Examination February – 2026

Course	: BCA	Date	: 22-Feb-2026
Subject Code	: BCAN-303	Time	: 11:30am to 01:45pm
Subject Name	: Relational Database Management System	Duration	: 02.15 Hours
		Max. Marks	: 70

Section A

Answer the following (Attempt any three) (30)

1. Discuss the Concept of Normalization and various forms of Normalization.
2. Explain Database Trigger. What are types of Database Trigger?
3. What is Cursor? What are types of Cursor?
4. List and features of PL/SQL and Explain advantages of PL/SQL.
5. Explain categories of Exception and explain each in detail.

Section B

Answer the following (Attempt any four) (20)

1. List and define various types of Key in brief.
2. Why is it important to learn Database Administration (DBA)?
3. Define Tables and Views in brief.
4. List and explain types of SQL Data types.
5. Define Package subprograms.
6. What are advantages of Package Creation?

Section C

Part – A (Multiple Choice Questions) (10)

Q-1. Which of the following is a type of key in RDBMS?

- | | |
|------------------|---------------------|
| A) Primary Key | B) Foreign Key |
| C) Candidate Key | D) All of the above |

Q-2. SQL*Plus is mainly used for:

- | | |
|---------------------|--------------------------------------|
| A) Word Processing | B) Writing and executing SQL queries |
| C) Image Processing | D) Web Designing |

Q-3. Which SQL command is used to add new records in a table?

- | | |
|-----------|-----------|
| A) UPDATE | B) INSERT |
| C) DELETE | D) CREATE |

Q-4. Normalization in RDBMS is used to:

- | | |
|----------------------------|---------------------------|
| A) Remove redundancy | B) Speed up input devices |
| C) Reduce storage capacity | D) Encrypt data |

Q-5. Which SQL command is used to change existing records in a table?

- A) DELETE
- B) CREATE
- C) UPDATE
- D) SELECT

Q-6. Which of the following is not a component of RDBMS?

- A) Tables
- B) Relationships
- C) Compiler
- D) Queries

Q-7. In Oracle, which statement is used to create a new table?

- A) ALTER
- B) CREATE
- C) INSERT
- D) DROP

Q-8. Which of the following is used to handle exceptions in PL/SQL?

- A) BEGIN-END
- B) EXCEPTION
- C) LOOP
- D) IF-ELSE

Q-9. A database trigger is:

- A) A type of cursor
- B) A stored procedure executed automatically
- C) A type of SQL function
- D) A report in SQL*Plus

Q-10. In SQL*Plus, the command used to display output is:

- A) PRINT
- B) SHOW
- C) SELECT
- D) LIST

Part – B (Do as Directed)

(10)

State the following statements are TRUE or FALSE

- 1 A foreign key uniquely identifies each record in a table.
- 2 SQL*Plus is an Oracle tool used for executing SQL commands.
- 3 Normalization increases redundancy in the database.
- 4 The DELETE statement removes records from a table permanently unless rollback is used.
- 5 Cursors are used to process multiple rows returned by a SQL query in PL/SQL.
- 6 A trigger in Oracle executes only when called explicitly by the user.
- 7 In PL/SQL, variables can be declared using the DECLARE section.
- 8 The UPDATE command in SQL is used to delete rows from a table.
- 9 Oracle functions are predefined programs that can be used in SQL queries.
- 10 In RDBMS, relationships between tables are established using keys.
