Avinashilingam Institute for Home Science and Higher Education for Women
Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD (now MoE)
Re-accredited with 'A++' Grade by NAAC. CGPA 3.65/4, category I by UGC
Coimbatore - 641 043, Tamil Nadu, India.

Continuous Internal Assessment Test I – August 2025
I Semester

Class : I UG **Time : 2 hours**
Major: B.Com (CA) **Max.Marks : 60**

23BCCC03- RDBMS and Structured Query Language

Course Outcomes:

CO1: Gain a solid understanding of fundamental database concepts including data modelling, normalization and the relational model.
CO2: Able to design and create a relational database including defining tables, relationships and constraints.
CO3: Employ commands to create, update, manage, retrieve and control database.
CO4: Provide an insight into design referential integrity using triggers.
CO5: Illustrate SQL operators, constraints and clauses to manage multifaceted data and to implement various built-in functions of SQL.

Part-A **6 x 1 = 6**
Choose the correct answer

1. What is the main purpose of a database system? CO1K1
a) Data redundancy b) Data inconsistency
c)Efficient data storage and retrieval d) Data complexity
2. Which operation ensures database integrity when multiple transactions are executed? CO1K1
a) File processing b) Normalization c) Transaction management. d) Indexing
3. Which command is used to remove all rows from a table without logging the deletion? CO2K1
a) DELETE b) DROP c) REMOV d) TRUNCATE.
4. What is the command to rename a table in Oracle? CO2K1
a) CHANGE TABLE old_name TO new_name; b). RENAME old_name TO new_name;
c) ALTER TABLE old_name RENAME TO new_name; d) MODIFY old_name TO new_name;
5. Which SQL command is used to add a new record into a table? CO3K1
a) INSERT INTO b) ADD ROW c) ADD RECORD d) UPDATE INTO
6. Which of the following is the correct syntax for updating a single column in SQL? CO3K1
a) UPDATE table SET column = value, b) MODIFY table SET column = value
c) CHANGE table SET column = value d) SET column = value IN table

Part- B **3X6=18**
Answer ALL Questions
Each answer should not exceed 400 words or two pages

7.a. Write a short note on dependency diagrams with example. CO1K2
(or)
7. b. Explain the role of the Database Administrator (DBA) and types of database users. CO1K2
8. a. Explain the different types of constraints in Oracle. CO2K2
(or)
8. b. Differentiate between DROP, TRUNCATE and DELETE commands with suitable examples. CO2K2
9. a. Write a Coding for student database and apply arithmetic operators in SQL CO2K2
(or)
9. b. Write a short note on DML. CO3K2

Part-C **3X12=36**
Answer ALL questions
Each answer should not exceed 800 words or four pages

10. a. Explain the structure of a database system. Discuss the roles of storage management Transaction management in detail. CO1K3
(or)
10. b. What is normalization? Explain 1NF, 2NF, and 3NF with examples. Also discuss De-normalization. CO1K3
11. a. Write a Coding for route chart and apply Logical Operators in a Table. CO2K3
(or)
11.b. Explain the naming rules and conventions for Oracle database objects. CO2K3
a) Character data b) Numeric data c) Date and time data
12. a. Explain about the data type constraints. CO2K3
(or)
12. b. Design a table for Library Books and perform the following operations CO2K3