2111000102050002
First Year B.C.A (Sem –II)
Examination April-2023
Concept of RDBMS

Seat No:

Student's Signature

[Time: Three Hours]   **[Max. Marks:70]**

Instructions   1) All questions are compulsory.
                      2) Figures to the right indicate full marks.

Q.1   **Answer the following (Any Seven):**   **(14)**
a) List out any four date function
b) What is the difference between unique and primary key.
c) What is the difference between NO_DATA_FOUND and %NOTFOUND?
d) Explain ROWID pseudo column.
e) Define constant in pl/sql block.
f) List out Data Types of PL/SQL.
g) What is Dual Table in Oracle?
h) What is the functionality of Rollback Statement?
i) Briefly explain assigning values to variable.

Q.2   **Answer the following:**   **(14)**
a) Explain Index in detail
b) List out Codd's Rule? Explain any four in detail.
                                               OR
a) Write a note on Relational Algebra operations.
b) Explain While Loop by giving suitable example.

Q.3   **Answer the following:**   **(14)**
a) Write continue statement by giving suitable example.
b) Explain types of Join in detail
                                               OR
a) Write a note on Cursor.
b) Explain Case statement by giving suitable example.

Q.4   **Write a notes on following: (Any Three)**   **(18)**
a) Grant and Revoke statements.
b) Exception Handling.
c) User Defined Record
d) PL/SQL Block structure

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Q.5 **Consider the following table and Do as Directed** (10)

EmpDetails(Empld, EmpName, BasicSalary, DA, NetPAY)

    a. Create table using appropriate constraint and insert atleast 5 records in table.

    b. Write a PL/SQL block to calculate DA (125% of the BasicSalary) and NetPay of employee on the basis of basicsalary fetched from table.

<div align="center">**OR**</div>

    b. Write a PL/SQL block that accept empld from user and fetch that employee's salary from table, if the salary is more than 50,000 give the message that 'Salary is more than 50000'.