

**RAN-2411001003033001**

B. Sc. (Comp. Sc.) (NCF-NEP) (Sem.-III) Examination November - 2025
Major-3-Relational Database Management System CS 305

Time: 1 Hour]**[Total Marks: 25****સૂચના : / Instructions**

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
 Fill up strictly the above details on your answer book

Seat No.:

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Student's Signature

Q.1. Answer the following.**8****A. Answer any four****4**

- i. Data consistency in a DBMS ensures:
 - a. Data is always encrypted
 - b. Redudancy
 - c. Multiple users see the same updated data
 - d. Data is stored only once
- ii. Which SQL command is used to remove a table completely?
 - a. DELETE
 - b. REMOVE
 - c. DROP
 - d. TRUNCATE
- iii. In PL/SQL, which of the following is NOT a control structure?
 - a. IF-THEN
 - b. LOOP
 - c. WHILE
 - d. SELECT
- iv. A trigger in PL/SQL is mainly used for:
 - a. Data definition
 - b. Automatic execution on events
 - c. Data backup
 - d. Performance tuning
- v. In an ER diagram, a diamond shape represents:
 - a. Entity
 - b. Attribute
 - c. Relationship
 - d. Key

B. Answer any four.**4**

- i. Define foreign key.
- ii. What is normalization?
- iii. Explain mapping constraints,
- iv. Define %TYPE in PL/SQL.
- v. Explain difference between procedures and functions.

- Q.2. Answer the following.** **12**
- A. What is normalisation? Explain 2NF, and 3NF with examples. **7**
- OR**
- A. Explain Select statement in detail.
- B. Explain the CREATE TABLE statement with constraints. **5**
- Q.3. Answer any one.** **5**
- A. Explain explicit cursor with example.
- B. Write a function to return maximum of three numbers.
- C. Explain concept of package with example.
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