



RAN-2511001105020001

B.Sc. (IT) NEP (Sem.- V) Examination February - 2026
Advance RDBMS - Major - 2 (Paper - 502)

[Total Marks: 50

સૂચના : / Instructions

- (1) ઉપરોક્ત દશવિધ 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. [A] Define the following terms [Any Five]

[05]

1. What is the role of DBWR process?
2. What is the Redo Log Buffer used for?
3. What is %found attribute?
4. What is DBMS_OUTPUT.PUT_LINE used for?
5. What is rollback command?
6. What is RAISE_APPLICATION_ERROR used for?

Q.1. [B] Answer following questions in short [Any Five]

[05]

1. What is the System Global Area (SGA)?
2. What is the purpose of the Shared Pool?
3. What does '%ROWCOUNT' return?
4. Difference between Simple Index and Composite Index.
5. What is a Record in PL/SQL?
6. Define Commit with an example.

Q.2. [A] Answer the following questions in detail [Any Two]

[10]

1. Explain Oracle Logical Architecture.
2. Write a PL/SQL program demonstrating Explicit Cursor and Cursor FOR Loop.
3. What are the different types of exceptions in PL/SQL?

Q.2. [B] Answer the following questions in brief [Any Two]

[06]

1. What is the advantage of using PL/SQL over SQL?
2. Explain grant command with an example.
3. Discuss Sequences and Pseudo Columns with suitable example.

Q.3. [A] Answer the following questions [Any Two]

[10]

1. Consider following table:
 BookMaster (BookID, BookName, Price, Publication, Publication Year)
 Create package to manage Book information. I.e. Add, Delete, Update book information.

2. Consider employee table(empid,name, city, position, salary)
Create a trigger that prevents deletion of an employee record if the salary is above 100,000.
Create a trigger that gives warning if same name of employee is entered.
3. What are best practices for managing roles in Oracle?

Q.3. [B] Answer the following questions in brief [Any Two] [06]

1. Write a short note on Function-Based Index.
2. Explain VARRAY and its advantages over Nested Table.
3. Difference between Procedures and Functions in PL/SQL.

Q.4. [A] Write a PL/SQL block to demonstrate the use of Parameters in Procedures and Functions [05]

OR

Q.4. [A] Explain Package Body and its components with example. [05]

Q.4. [B] Discuss Types and Levels of Locks in Oracle with examples. [03]
