

[Time:2.30 Hrs]

[Marks:75]

Please check whether you have got the right question paper.

- N.B:
1. All question are compulsory.
 2. Figures to the right indicate full marks.

Q.1 Attempt any four of the following.**20**

- A Write Benefits of Stored Procedure
- B State and explain various types of stored procedure
- C What is trigger? Explain with an example.
- D What is Sequence? How to create Sequence & How to delete and alter Sequence.
- E Write a short note on indexing.
- F Write a short note on B+ Tree File Organization.

Q.2 Attempt any four of the following.**20**

- A Explain PL/SQL Block Structure with an example.
- B Explain GOTO Statement with an example.
- C Describe different data types in PL/SQL.
- D Write Different features and Advantages of PL/SQL.
- E How to declare variables and constants in PL/SQL.
- F Explain Case Statement with an example.

Q.3 Attempt any four of the following.**20**

- A Differentiate Between GRANT and REVOKE Command.
- B Define and Explain ACID.
- C Explain two phase commit protocol.
- D Describe Aries Algorithm.
- E Write a note on Conflict Serializability.
- F Explain deadlock prevention scheme.

Q.4 Attempt any three of the following.**15**

- A Explain the concept of transaction.
- B Create table simple interest (p_amt, no_of_yr, rate_int, simp_int) Calculate Simple interest and update table using for loop for 3 values.
- C Write a note on for loop statement.
- D What is concurrent execution? Explain advantages of it.
- E Explain cluster file organization.
- F Write a note on Redo Phase.

*******END*******