

834011123

Seat Number: - \_\_\_\_\_

Duration: 2 ½ Hours

Marks:- 75

Note:- 1) All questions are compulsory.

2) Figures to the right indicate maximum marks.

- I) Attempt any 4 of the following 20M
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|---|--------|
| a. Write Syntax to generate trigger.                    | [CO1A] |
| b. What are the different types of data type in PL/SQL? | [CO1U] |
| c. Explain the features of PL/SQL values.               | [CO1R] |
| d. Explain the CASE Statement in detail with example.   | [CO1R] |
| e. Explain what you mean by sequence.                   | [CO1R] |
| f. What are the types of stored procedure?              | [CO1U] |
- II) Attempt any 4 of the following 20M
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|---|--------|
| a. What are the various collection types?               | [CO2U] |
| b. What do you mean by Exception? Explain with example. | [CO2A] |
| c. What is PL/SQL Cursor?                               | [CO2U] |
| d. Write Advantages of Embedded (Static) SQL.           | [CO2U] |
| e. Explain Database Backup Concept.                     | [CO2R] |
| f. Explain Cursor for loops in details.                 | [CO2R] |
- III) Attempt any 4 of the following 20M
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|---|--------|
| a. What is Triggers? Give an examples.              | [CO3U] |
| b. Write short note on Packages.                    | [CO3U] |
| c. Explain ACID properties.                         | [CO3R] |
| d. What is Recovery? Explain types of Recovery?     | [CO3A] |
| e. Explain with example transaction processing?     | [CO3A] |
| f. Give example of creating Before & After Trigger. | [CO3A] |
- IV) Attempt any 5 of the following 15M
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|---|--------|
| a. Write a program to execute while loop.                   | [CO1A] |
| b. Write a short note on stored procedure.                  | [CO1U] |
| c. Difference between Static and Dynamic SQL.               | [CO2R] |
| d. Write a short note on rollback & commit.                 | [CO2U] |
| e. WAP to accept 3 numbers & find maximum                   | [CO2A] |
| f. WAP to accept a number & print factorial of that number. | [CO3A] |