

Part B

5 x 4 = 20

Answer ALL questions

Each answer should not exceed 200 words or one page

- 11 a. Explain the need for Database Systems.
(OR)
b. What is Entity Relationship Diagram? Explain with an example.
12. a. Illustrate Naming Rules and Conventions.
(OR)
b. Discuss the constraints that can be set for an employee table.
- 13 a. How to add a new row or record in a table?
(OR)
b. Evaluate selecting an employee table to group based on their designation.
- 14 a. Describe JOIN and SET operator with an example.
(OR)
b. Analyze the different types of variables.
- 15 a. Explain nested blocks with an example.
(OR)
b. List the operations on Trigger with an example.

Part C

5 x 7 = 35

Answer ALL questions

Each answer should not exceed 600 words or three pages

- 16 a. Compare Transaction Management and Storage Management.
(OR)
b. Make an E-R diagram for Library Management System. Indicate clearly Entity Sets, Relationship Sets, Cardinalities, attributes, Strong Entity Sets, weak entity sets and candidate keys.
- 17 a. How do you create a table and display the information into the table?
Explain with an example?
(OR)
b. Demonstrate the concept of student average mark and grade calculation.
- 18 a. Evaluate any three DML commands with its example.
(OR)
b. Discuss string and date functions in oracle.
19. a. Compare Exist and NOT exist operators with examples.
(OR)
b. Design the block structure of PL/SQL.
- 20 a. How to construct a program in PL/SQL to create a new account in a bank?
(OR)
b. Elaborate the types of cursors.
