



- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labeled diagram and use supporting data wherever necessary.
 3. Avoid vague answers and write specific answers related to questions.

1. Either
- a) What do you mean by oracle as a multi-user system? Explain how to log in & log-out of oracle. 4
 - b) Who is DBA? Explain different role of DBA. 4

OR

- c) Explain History and Benefits of SQL. 4
 - d) What do you mean by Database objects? Write about Reserve works & Key words. 4
2. Either
- a) What is DDL? Explain how to create a table with suitable example. 4
 - b) Create a stud table and perform Insert, Update and delete commands on it. 4

OR

- c) Explain Date Functions used in SQL in detail. 4
- d) Explain with suitable example of each. 4
 - 1) Order by clauses.
 - 2) Between predicate.

3. Either
- a) What is join? Explain about Inner join and outer join. 4
 - b) Write a PL/SQL program to check number is palindrome or not. 4

OR

- c) What do you mean by cursor? Explain types of cursors. 4
- d) Write a cursor program to select the five highest paid employees from the emp table. 4

4. Either
- a) What is Exception Handling? Explain different types of Exception in detail. 4
 - b) Write a PL/SQL Exception Handling block to display NO – DATA – FOUND Exception. (Use Customer table: c-id, c-Name, c-Address) 4

OR

- c) What is package? Give different advantages of PL/SQL package. 4
 - d) Create a trigger which will not allow the employee to work on Holiday. 4
5. Solve all the questions.
- a) List various datatypes used in SQL. 2
 - b) Write short note about Integrity constraints. 2
 - c) Explain about view by giving an example. 2
 - d) Write different benefits of triggers. 2
