

- Note :-**
- i) All questions are compulsory.
 - ii) Give query example wherever necessary.

Q. 1 Attempt any Two

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- a) Explain all Single-Row functions used in oracle.
- b) Define sequence to generate list of number 1, 3, 5,, 999. Also explain how to get access of current and next value of the sequence.
- c) Write short note on –
 - i) Check constraint
 - ii) Primary Key Constraint
- d) Consider following tables.
Customer (custno, cname, city, credit limit)
Product (productno, description, rate)
Orders (orderno, custno, productno, orderdt, qty, amt)
Solve following queries –
 - i) How many orders placed by each customer?
 - ii) List the customers living in city virar.
 - iii) Find out orders placed in the Month of August 2015.

Q. 2 Attempt any Two

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- a) How to grant and revoke the privileges from the user?
- b) Write a short note on hierarchical retrieval.
- c) Write a short note on set operation used in oracle.
- d) Write any five date-time functions used in oracle.

Q. 3 Attempt any Two

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- a) What are identifiers? Explain with its types.
- b) What do you mean by anonymous PL/SQL block? Explain with example.
- c) Write a short note on substitution variable. Explain with proper example.
- d) Consider a table employee (empid, ename, city).
Write a PL/SQL block to display the details of Employee whose 'empid' is entered by user.

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Q. 4 Attempt any Two

- a) What do you mean by exception? Explain oracle named exception handlers.
- b) What are the attributes of Implicit cursor.
- c) Explain Cursor for loop with proper example.
- d) Consider a table Book (bookid, title, author, price)
Write a PL/SQL block which will display all "PL/SQL" Books.

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Q. 5 Attempt any Two

- a) What do you mean by function? What are different keywords and parameters used for it?
- b) How to invoke a procedure on SQL command prompt? Illustrate with example.
- c) How to create, call and remove a stored procedure?
- d) Consider table Sailors (sid, sname, city). Create a function which will count number of sailors and display it on screen. Use PL/SQL block to execute the function.

P.T.O.

Q. 6 Attempt any Two

- a) List out steps in order to execute dynamic SQL with DBMS-SQL package.
- b) What do you mean by Trigger? Explain the syntax of creating trigger.
- c) Explain following steps to execute dynamic SQL with DBMS-SQL package.
 - i) Execute SQL statement
 - ii) Bind column to cursor columns.
- d) Write short note on - instead of trigger.

Q. 7 Attempt any Three

- a) How to change the structure of created table? Explain with example.
- b) Write short note on With Clause.
- c) How PL/SQL blocks are nested? Illustrated with example.
- d) Explain FOR UPDATE & WHERE CURRENT clause of cursors.
- e) What do you mean by package? What are advantages of using package?
- f) Explain all types of trigger.

— The End —

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