

2019

Time : 3 hours

Full Marks : 80

*Candidates are required to give their answers in
their own words as far as practicable.*

The questions are of equal value.

Answer five questions in which

Q. No. 1 is compulsory.

1. Choose the correct alternative of the following :
 - (a) Which of the following data type enables you to store and manipulate large blocks ?
 - (i) INT
 - (ii) VARCHAR
 - (iii) BLOB
 - (iv) None of these
 - (b) Which of the following statement belongs to Data Transaction Language ?
 - (i) COMMIT

(Turn over)

- (ii) ROLL BACK
- (iii) Both (i) and (ii)
- (iv) None of these
- (c) Which of the following statements is used to make the change made by executing the SQL statement permanent ?
- (i) ROLL BACK
- (ii) SAVEPOINT
- (iii) COMMIT
- (iv) None of these
- (d) Which of the following functions is used to convert a string into a number data type ?
- (i) TO_NUMERIC
- (ii) TO_DATE
- (iii) TO_NUMBER
- (iv) None of these
- (e) Which of the following exceptions will be raised when PL/SQL runs out of memory or memory has been corrupted ?
- (i) PROGRAM_ERROR

- (ii) STORAGE_EROR
 - (iii) VALUE_EROR
 - (iv) None of these
- (f) Which of the following statements is used to retrieve rows from the cursor into the variables declared in the DECLARE section of the PL/SQL blocks ?
- (i) FETCH
 - (ii) OPEN
 - (iii) CLOSE
 - (iv) All of these
- (g) Which of the following syntaxes is used to enable a trigger ?
- (i) ALTER TRIGGER trigger_name,
ENABLE;
 - (ii) ALTER trigger_name ENABLE;
 - (iii) ALTER trigger_name, ENABLE;
 - (iv) ALTER TRIGGER, trigger_name
ENABLE;

(h) Which of the following syntaxes is used to
delete an existing function ?

- (i) DELETE FUNCTION function_name;
- (ii) DELETE function_name;
- (iii) 'DROP FUNCTION function_name;
- (iv) DROP function_name;

2. What is RDBMS ? How it different from
OODBMS ? Discuss the role of DBA.

~~3~~ 3. Describe the characteristics of various data
types used in Oracle.

4. What are Data constraints ? Explain, in detail,
column level and table level constraints.

~~5~~ 5. Write SQL query to perform the following :

(a) To display the next date of system data
which is FRIDAY.

(b) To display the product name along with the
rounded value of product cost for product
name is PEN from PRODUCT table.

(c) To display customer name in upper case, lower case and title case from CUSTOMER table where customer name is RAM.

(d) To Display sale date in character format DD - MM - YY from SALE _ DETAIL.

(e) To display average value of product cost rounded to 2nd decimal places from PRODUCT table.

6. What are the different types of exception in PL/SQL ? Write a program that will raise the DUP_VAL_ON_INDEX exception when a duplicate record is inserted in the table.

7. What is a trigger ? What are its different types ? Discuss the syntax to create a trigger in SQL* Plus.

8. What is the use of Oracle Form ? Discuss its components. Write the steps to design an Oracle Form.