[A-25 & A-26]

SARDAR PATEL UNIVERSITY
PGDCA – II SEMESTER EXAMINATION 2018
PS02CDCA22: DATABASE MANAGEMENT SYSTEMS
DCA202   12-04-2018

TIME : 10 AM To 1 PM   MARKS :70

Q.1 Select the Appropriate Answer of the following questions: [8]

1. The _____ clause can be used in conjunction with the GROUP BY clause to impose a condition on it.

   a. WHERE   b.   CHECK   c. HAVING   d. None of given

2. A _____ is a database object that holds user data.

   a. FORM   b. TABLE   c. QUERY   d. None of given

3. _____ Clause is used with select statement to arrange records in ascending order or descending order.

   a.   order   b. order by   c. Arrange By   d. None of given

4. _____ Command is used to change the content of a table.

   a. Update b. Modify c. Alter table   d. None of given

5. The _____ section deals with handling of errors that arise during execution of the data manipulation statements, which makes up the PL/SQL code block.

   a. Exception   b. Declaration   c. Error   d. None of given

6. _____ represents relationship between two tables.

   a. Primary key   b. default   c. foreign key   d. None of these

7. Data stored in a cursor is known as _____.

   a. implicit cursor b. active data set c. current data set   d. none of these

8. In which control structure, no need to declare to memory variable?

   a. if   b. while   c. for   d. None of given

Q.2 Answer the following questions: [Any SEVEN]   [14]

1. Write the purpose of writing ROLLBACK and COMMITT statement.
2. What is E-R diagram? What is its purpose?
3. Discuss how user can print message on the screen in PL/SQL block?
4. Explain update statement with its syntax and example.
5. Write differences between Logical data independence and Physical data independence.
6. List out the cursor attributes with its uses.
7. Explain briefly ABS() and LENGTH() built-in functions with example.
8. Different between stored Procedure and stored Function.
9. Explain SELECT..INTO statement available in PL/SQL.

C.P.T.O.)

Q.3 A Explain PL/SQL block structure in detail. [06]

B Explain the process of Normalization in detail. [06]

OR

B What do you mean by Constraint? Explain Concept of Primary Key with syntax and example. [06]

Q.4 A List Codd rules and explain any three of them in detail. [06]

B Explain the FOR loop with appropriate example. [06]

OR

B Explain SUBSTR(), ROUND() and MOD() with example(s). [06]

Q.5 A Write down the advantages of PL/SQL over the SQL. [06]

B Write short note on Database Triggers and also explains the differences between Database Triggers and Procedures. [06]

OR

B Assume that table named TRANS has fields INO Number(5), PRICE number(5,2), NUNITS number(2) and BAMT number (11,2). [06]

Write a PL/SQL code block to read INO from user and to calculate and update the BAMT for that customer using the following criteria:

$$BAMT = NUNITS * PRICE$$

Q.6 A Write the steps required to manage explicit cursor. [06]

B Write a procedure named PSUB, which returns subtraction of two numbers. Write a PL/SQL block code, which reads two numbers and using procedure PSUB, calculates subtraction of that two numbers and print the result. [06]

OR

B Write short note on concurrency control. [06]

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