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SPECIALIZATION IN CYBER SECURITY (CS)
EXAMINATION : DECEMBER - 2023
SEMESTER - IV

Sub: Advanced Database / Advanced Database Management System

(BCA – 444-18/BCA-444-20/BCA-CS-444-20)

Date : 21/12/2023

Total Marks : 60

Time: 2.00 pm to 4.30 pm

Instructions:

1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labeled diagrams wherever necessary.

Q.1. Fill in the blanks. (5)

1. ----- is used to identify a point in a transaction to which you can later rollback.

a) Commit	b) Savepoint
c) Lock	d) Rollback
2. Functions that act on a set of values are called as ----- functions.

a) Single	b) Group
c) Scalar	d) OneValue
3. To reduce redundant data to the minimum possible, an object is created called a ----- .

a) View	b) Index
c) Cluster	d) Key
4. Cursor defined by the users are called ----- cursor.

a) Explicit	b) Implicit
c) Users	d) Public
5. The ----- clause allows removing duplicates from the result set.

a) Null	b) Alternate
c) Distinct	d) Remove

Q.2. State True/False. (5)

1. Business rules that have to be applied to data are completely system dependent.
2. Privileges once given cannot be taken back by the owner of the object.
3. A rollback statement is used to make permanent changes.
4. The table in which the foreign key is defined is called as detail table.
5. The having clause imposes a condition on the Group By clause.

Q.3. Answer the following. (Solve any 5) (10)

1. Explain drop table command.
2. List out general cursor attributes.
3. Write a syntax of Grant command.
4. What is cursor ?
5. State the difference between Column level & Table level constraints.
6. List out aggregate functions.

Q. 4. Answer the following in detail. (Solve any 6) (30)

1. Explain in detail subquery.
2. Explain 'Alter Table' commands in detail.
3. Explain If statement in detail.
4. Explain commands 1. Create Table 2. Insert into
5. Explain any 3 string functions.
6. Explain Open, Fetch, Close statements related to cursor.
7. Explain data types in PL/SQL.

Q. 5. Answer the following in detail. (Solve any 1) (10)

1. Explain in detail loops in PL/SQL.
 2. Explain in detail sequence.
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