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SPECIALIZATION IN CYBER SECURITY (CS)
EXAMINATION : DECEMBER - 2022
SEMESTER - IV

Sub: Advanced Database Management System

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

Date : 23/12/2022	**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. The -------- command is used to change or modify data values in a table.
   - a) Update
   - b) Alter
   - c) Change
   - d) Modify
2. The With Grant Option allows the grantee to in turn -------- object privileges to other users.
   - a) Grant
   - b) Revoke
   - c) Pass
   - d) Remove
3. The -------- attribute is used to declare variables based on definitions of columns in a table.
   - a) Row Type
   - b) %TYPE
   - c) Column Type
   - d) Null
4. Variables or constants accepting by functions are called as --------.
   - a) Values
   - b) Arguments
   - c) Expressions
   - d) Costs
5. In order to select data within a range of values -------- operator is used.
   - a) In between
   - b) To
   - c) Between
   - d) From

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

1. The name of the table cannot be changed using the Alter Table command.
2. SYSDATE is pseudo column that contains the current date and time.
3. A NULL value is equivalent to a zero.
4. Joining a table to itself is called Equi join.
5. Business rules that have to be applied to data are completely System dependent.

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

1. What is the use of Distinct clause ?
2. What is join ?
3. List out the object privileges.
4. Define cursor.

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5. What is column level constraint ?
6. What is the use of To_date() function ?

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

1. Explain in detail 'Like' operator.
2. Explain primary key, foreign key in detail.
3. Explain Sum() & Avg() functions.
4. Explain Create table & Delete from commands.
5. Explain in detail View.
6. Explain Open, Fetch, Close commands related to cursor.
7. Explain alter table command.

Q. 5. Answer the following in detail. (Solve any 1) (10)
1. Explain any 5 numeric functions.
2. Write PL/SQL to accept a number from user and print sum of digits of that number.

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