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**ST-2 (SET-II)**

**4th SEMESTER 2023-24**

**22CS007- Database Management System**

**Time allowed: 90 Minutes Max. Marks: 40**

**General Instructions:**

* **Follow the instructions given in each section.**
* **Make sure that you attempt the questions in order.**

**SECTION-A (10\*1 mark=10 marks)**

***(All questions are compulsory)***

1. What is the primary purpose of a stored procedure in DBMS?
   1. To store and organize data in a database
   2. To retrieve data from the database
   3. To define the structure of the database
   4. **To encapsulate a series of database operations**
2. Which of the following statements is true about stored procedures?
   1. Stored procedures cannot have input parameters
   2. Stored procedures cannot return values
   3. **Stored procedures can be reused and shared by multiple applications**
   4. Stored procedures can only be executed by the database administrator
3. Which of the following is not a type of trigger in DBMS?
   1. Insert trigger
   2. Update trigger
   3. Delete trigger
   4. **Search trigger**
4. Which component of a package in DBMS defines the interface and public entities?
   1. Package body
   2. **Package specification**
   3. Package constructor
   4. Package signature
5. What is the purpose of a package constructor in DBMS?
   1. To define the implementation of the package's procedures and functions
   2. **To initialize the package's variables and state**
   3. To provide an entry point for executing the package's functionality
   4. To create instances of the package for concurrent usage
6. The property of a schedule that states that the result of executing concurrent transactions is the same as executing them serially is known as:
   1. Consistency
   2. Atomicity
   3. **Serializability**
   4. Durability
7. Which of the following is not a concurrency control mechanism in DBMS?
   1. Locking
   2. Timestamp ordering
   3. Multiversion concurrency control
   4. **Rollback and recovery**
8. Which parameter mode is used when the procedure needs to both receive and send data to the calling program?
   1. IN
   2. OUT
   3. **INOUT**
   4. REF
9. Which parameter mode is used when the procedure needs to pass a reference to a variable?
   1. IN
   2. OUT
   3. INOUT
   4. **REF**
10. The \_\_\_\_\_\_\_\_\_\_ Statement is used for creating the package body.
    1. CREATE
    2. CREATE PACKAGE
    3. CREATE BODY
    4. **CREATE PACKAGE BODY**

**SECTION-B (5\*2 mark=10 marks)**

***(All questions are compulsory)***

**SECTION-C(Coding Question) (4x5 marks=20 marks)**