

DBMS 21st April '21

Questions: 15

Time: 15 minutes

Your email address will be recorded when you submit this form.

Not u19cs012@coed.svnit.ac.in? [Switch account](#)

* Required

The concept in which one of the transaction failure causes a series of transaction rollbacks is known as _____.*

- ☐ Cascade cause
- ☐ Recoverable
- ☐ Non recoverable
- ☐ Cascadeless rollback
- ☒ Cascading rollback

Which of the following are the advantages of transaction concurrency? *

- ☒ Increased throughput
- ☐ Inconsistency
- ☐ None of these
- ☒ Reduces average response time
- ☒ Increased utilization



_____ means that the data used during the execution of a transaction cannot be used by a second transaction until the first one is completed. *

- ☐ Atomicity
- ☐ None of these
- ☐ Durability
- ☒ Isolation

Collections of operations that form a single logical unit of work are called _____.

- ☐ PL/SQL
- ☐ Procedure
- ☒ Transaction
- ☐ Views

A concurrency control policy leads to _____ performance, since it forces transactions to wait for preceding transactions to finish before they can start. *

- ☐ Average
- ☐ Unstable
- ☒ Poor
- ☐ Good



_____ are used to ensure that transactions access each data item in order of the transactions' _____ if their accesses conflict. *

- ☐ Zone
- ☒ Counter of Timestamp
- ☐ Relay
- ☒ System clock as Timestamp
- ☐ Lined

Transaction management ensures _____ and _____ properties. *

- ☒ Durability
- ☐ Integrity
- ☒ Atomicity
- ☐ Abstraction
- ☒ Consistency
- ☒ Isolation
- ☐ Duality
- ☐ Concurrency

A shared lock allows which of the following types of transactions to occur? *

- ☒ Read
- ☐ Insert
- ☐ Delete
- ☐ Update

Transactions instructions are _____, if I and J instructions are performing by different transactions on the same data item, and at least one of them is a write operation. *

- ☐ Isolated
- ☒ Conflicting
- ☐ Durable
- ☐ Overwriting
- ☐ Starred

Which of the following is/are transaction state/s? *

- ☐ Starred
- ☒ Failed
- ☒ Active
- ☐ Deleted
- ☒ Partially committed

A transaction for which all committed changes are permanent is called: *

- ☐ duality
- ☐ abstract
- ☐ consistent
- ☐ isolated
- ☒ durable



Which of the following systems is responsible for ensuring isolation? *

- ☐ Recovery system
- ☐ Atomic system
- ☒ Concurrency control system
- ☐ None of these
- ☐ Abstraction

If a transactions schedule S can be transformed into a transactions schedule S' with the help of a series of swaps of non-conflicting instructions, then S and S' are *

- ☐ Non conflict equivalent
- ☐ Isolation equivalent
- ☒ Conflict equivalent
- ☐ View Equivalent
- ☐ Equivalent

A transaction completes its execution is said to be *

- ☐ Rolled
- ☐ Rolled back
- ☒ Committed
- ☐ Saved



The “all-or-none” property is commonly referred to as _____ *

- ☒ Atomicity
- ☐ Abstraction
- ☐ Durability
- ☐ None of these
- ☐ Isolation

Submit

This form was created inside of Sardar Vallabhbhai National Institute of Technology, Surat. [Report Abuse](#)

Google Forms

