

1. Match the following terms to the appropriate definition

- |                  |   |
|------------------|---|
| Shadowing        | a. Updates on committing                    |
| Deferred update  | b. Global recovery manager                  |
| Immediate update | c. Keeping the old page                     |
| Coordinator      | d. Not waits for commit point for updations |
| Dirty bit        | e. New value after updating                 |
| After image      | d. whether updations has taken place or not |

2. What you understand by idempotent.

3. The false statement is

- a) In a single user system always we have one active transaction
- b) In a single user system we can have many committed transactions
- c) In multi-user system we can have many committed transactions
- d) In multi-user system we can have one active transaction
- e) one of above four is false

4. Explain for multi-user system

- a. UNDO/NO-REDO
- b. No-UNDO/REDO.

5. Write\_item[T1,B,10,11] is for ----- procedure.

6. Shadowing is a -----technique

7. For recovering from catastrophic failures we use -----.

8. What is two-phase commit protocol?

9. Give an example of Cascading Rollback taking T1 & T2 Transactions