

Assignment 3

Sub: Database Management System

Class: B.E. I.T.

Sem: V

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No. Answer the following Questions.

1. List the ACID properties. Explain each of them.
2. Explain the transaction states with diagram.
3. Consider the following schedule

T1	T2
Read(A)	
Write(A)	
	Read(A)
Read(B)	
	Write(A)
Write(B)	
	Read(B)
	Write(B)

Check whether above schedule is conflict serializable or not.

4. Explain two phase locking protocol.
5. Explain Graph-based locking protocol.
6. Explain time stamp ordering protocol.
7. Explain the purpose of the checkpoint mechanism.
8. Explain shadow paging recovery scheme.
9. Explain how the following differ: fragmentation transparency, replication transparency, and location transparency.
10. Explain 3 phase commit protocol in distributed system.