

ASSIGNMENT IV QUESTIONS

UNIT IV

PART A

1. What do you mean by clock skew and clock drift?
2. What do you meant by Distributed debugging?
3. Define total ordering?
4. What are the ACID properties of a transaction?
5. What are the drawbacks of locking?
6. What is a phantom deadlock?
7. Define Edge chasing
8. What is the role of replication in distributed systems?

PART B

1. Write about internal and external synchronization of physical clock.
2. Discuss in detail about the Chandy and Lamports snapshot algorithm for determining the global states of distributed systems.
3. (i) Explain briefly about election algorithms.
(ii) Write about Distributed Mutual Exclusion.
4. Describe about concurrency control in distributed transactions and timestamp ordering in detail.