School of Computing Science and Engineering
B.Tech CSE
ETE - Jun 2023

Time : 3 Hours   Marks : 100

Sem IV - E1UD401B - Distributed Operating System
Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary

1.	Why Transparency is needed in distributed system?	K1 CO1 (5)
2.	What do you mean by process syncronization.	K3 CO2 (5)
3.	Explain the concept of scalability	K2 CO1 (5)
4.	Explain all concurrency control techniques in detail.	K4 CO3 (10)
5.	Explain the implementation rule1 and implementation rule2 used in vector clock.	K2 CO3 (10)
6.	What is the concept of happened before relationship? Explain all the implementation rule .	K4 CO3 (10)

OR

	Describe the Limitation of Lamport Clock. How it can be overcome?	K4 CO3 (10)
7.	Explain the concept of inter process and intra process communication in detail	K1 CO2 (10)
8.	Compare one phase and two phase locking technique.	K3 CO3 (15)
9.	Explain various algorithms that are used for distributed shared memory.	K4 CO5 (15)

OR

	What are the basic elements of information system security?	K4 CO5 (15)
10.	Differentiate berween View and Conflict serial schedulers in transactions.	K3 CO4 (15)