

UNIT-III

S.No	Questions	BT	CO
Part-A(Short Answer Questions)			
1	Explain the terms related to IPC– a)Race condition b)critical section c)Mutual exclusion d)Semaphores	L2	CO3
2	Explain the following term related to IPC: a)Race condition b)critical region	L2	CO3
3	What is monitor? Explain solution for producer-consumer problem using monitor. Explain monitors in detail.	L1	CO3
4	What is semaphore? Discuss product-consumer problem with semaphore.	L1	CO3
5	Explain the terms related to IPC– a)Race condition b)critical section c)Mutual exclusion d)Semaphores	L2	CO3
6	Discuss in detail following solution for achieving mutual exclusion a)Disabling interrupts b)Strict alteration	L1	CO3
Part-B(Long Answer Questions)			
7	a) Explain Semaphore in details.		CO3
	b) Explain about Monitors.		CO3
8	a) Explain about Synchronization Hardware.	L1	CO3
	b) Explain about Classical Problems of synchronization	L2	CO3
9	a) Explain about Pipes and FIFO Pipes.	L2	CO3
	b) Explain about Message Queue and Shared Memory.	L4	CO3
10	Explain about Critical Section problems		