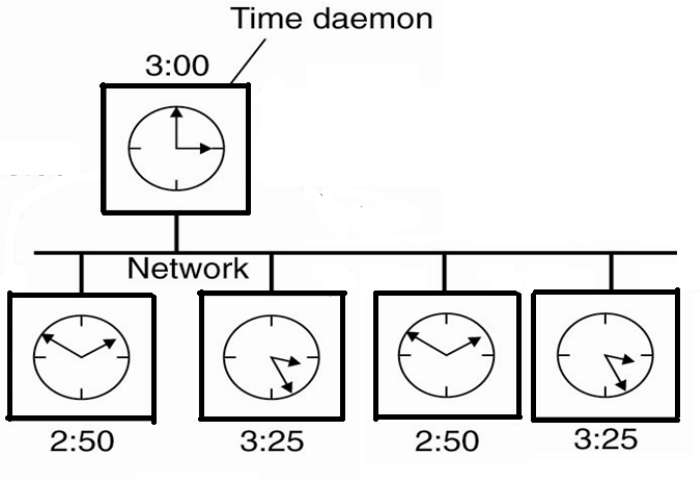
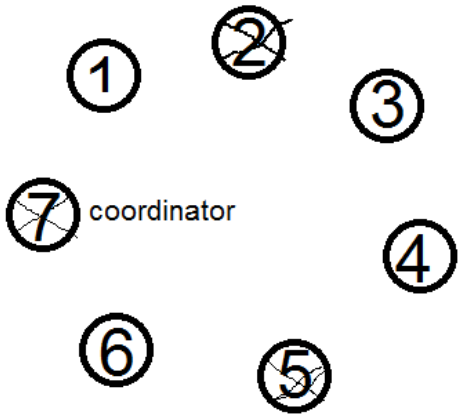
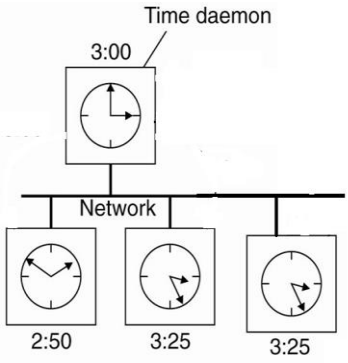
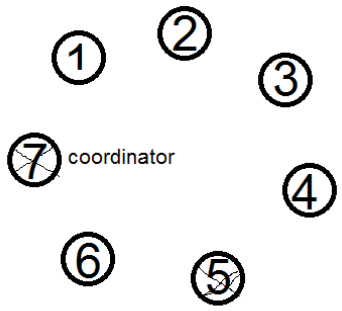
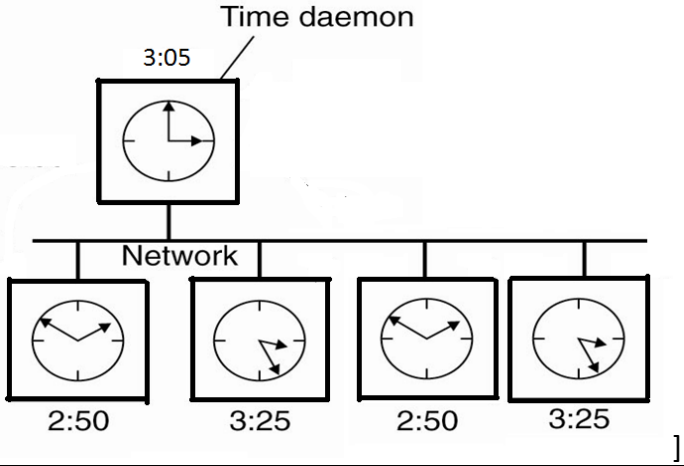
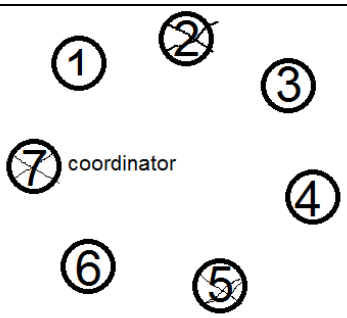
Question Bank

Course Title and Code: Distributed and Cloud Computing, 1CSPC405
UNIT 2: Processes, Communication and Synchronization

Q. No	Question	Marks	CO	BL
a)	Discuss on how RPC differ from OSI model. Compare between Synchronous and Asynchronous RPC.	09	[405_2]	K2
	Discuss on stepwise working of RPC to calculate square root of a number.	09	[405_2]	K3
b)	Apply Berkeley algorithm for below network and calculate clock time for synchronization. Explain step wise process. 	09	[405_2]	K3
b)	 Refer above diagram of process where coordinator and process 5 get failed at a time after which process 2 get	09	[405_2]	K3

Q. No	Question	Marks	CO	BL
	failed. Apply bully algorithm for following scenarios and explain the steps of electing coordinator, i. Process 6 need resource and initiate election ii. Process 7 recovers from failure			
	With help of suitable diagram discuss on steps involved in Remote Procedure Call.	09	[405_2]	K2
	Apply Berkeley algorithm for below network and calculate clock time for synchronization. Explain step wise process. 	09	[405_2]	K3
	 Refer above diagram of process where coordinator and process 5 get failed at a time. Apply bully algorithm for following scenarios and explain the steps of electing coordinator, iii. Process 2 need resource and initiate election iv. Process 5 recovers from failure	09	[405_2]	K3
	With help of suitable example, explain different steps involved in RPC.	09	[405_2]	K2

Q. No	Question	Marks	CO	BL
	Apply Berkeley algorithm for below network and calculate clock time for synchronization. Explain step wise process. ]	09	[405_2]	K3
	 Refer above diagram of process where coordinator and process 5 get failed at a time after which process 2 get failed. Apply bully algorithm for following scenarios and explain the steps of electing coordinator, v. Process 1 need resource and initiate election vi. Process 5 recovers from failure	09	[405_2]	K3