[2.5 x 2]

Mid-Semester Examination School of Computer Engineering Kalinga Institute of Industrial Technology Deemed to be University Bhubaneswar-24

	Time: 1hr 30 min.	Full Mark:25
(Answer any five question including question No. 1 which is compulsory) (The figures in the margin indicate full marks.)		
1.	Answer all Questions	[1×5]
A.	Differentiate between bully and ring based coordinator selection algorithms.	
B.	What is happened before relation / casually related events? Explain with examp	ple.
C.	Explain the issues & challenges in distributed scheduling.	
D.	Define & differentiate between different agreement problems.	
E.	Define & differentiate between structure & access transparency.	
2.	Explain symmetrically initiated algorithm for distributed scheduling. What are it?	re the limitations o
3.	What is synchronization? How synchronization can be handled by lampor distributed environment? How it is different from vector clock explain with exthe advantages & disadvantages from the both approaches?	
4.	What is voting protocol? Explain Two-phase commit protocol to provide distributed system.	e fault tolerance in [5]
5.	Differentiate between token based and non-token based mutual exclus distributed environment? Explain operational steps of Suzuki Kasami algorithmexclusion.	
6.	Draw & explain RPC model for both sender & receiver site over a distri	buted environment
	Describe the process of marshalling in RPC.	[5]

a) Different components of DCE

7. Write short notes on

b) Deadlock detection by edge-chasing algorithm in distributed environment