Subject Code: 180701

Date: 04-12-2014

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII • EXAMINATION - WINTER • 2014

Subject Name: Distributed System Time: 02:30 pm - 05:00 pm Total Marks: 70 Instructions:			
Instru	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(8	N) Why network system protocols are unsuitable for Distributed Systems? Explain any one communication protocol for Distributed System.	07
	(t) (i)		03
	(ii	·	04
Q.2	(2		07
	(b	•	07
		OR	
	(b	b) List and explain various consistency models in DSM.	07
Q.3	(2	a) Explain RPC implementation. Also explain various methods of generating stubs.	07
	(b	Explain Berkley clock Synchronization algorithm with an example. OR	07
Q.3	(a (b	What is thrashing? What are various methods to solve thrashing?	07 07
Q.4	(2	What is Load Balancing? Explain any one algorithm of load balancing.	07
	(t		07
Q.4	(2		07
	(b		07
Q.5	(a (b	Write short note on "Object Locating Mechanisms"	07 07
Q.5	(2		07
	(b	to implement it. No Write Short note on: DNS	07
