Seat No.: ____

GUJARAT TECHNOLOGICAL UNIVERSITY

SEMESTER- 4 EXAMINATION – WINTER 2012				
Subject code: 640006 Date: 11/01/			2013	
Subject Name: Distributed Computing (DC1)				
Time	Γime: 10:30 – 13:00 Total Marl			
Instr	ucti	ons:		
		Attempt all questions.		
		Make suitable assumptions wherever necessary.		
	3.	Figures to the right indicate full marks.		
Q.1	(a)	Discuss the RPC & Peer-to-Peer distributed computing paradigms.	07	
Q.1	(b)		04	
	(~)	2. What is URL? Explain its general form.	03	
Q.2	(a)	Explain event synchronization. Describe event synchronization for the	07	
		following IPC modes:		
		1. Asynchronous Send and Synchronous Receive		
	(b)	2. Synchronous Send and Synchronous Receive	07	
	(b)	Discuss the Client-Server & Mobile-agent distributed computing paradigms. OR	07	
	(b)	Why are the data representation standards required? Discuss the XDR, ASN	07	
	()	and XML data representation standards.		
Q.3	(a)		07	
		UDP protocol.		
	(b)		07	
		Order Multicastig. OR		
Q.3	(a)		07	
Q.J	(b)		07	
	(,-)	a h 8 a h a a a a a a a a a a		
Q.4	(a)	Explain the following Java RMI terms:	07	
		Remote, stub, skeleton, rmiregistry		
	(b)	•	07	
		state data with suitable example and figures.		
Q.4	(a)	OR With suitable example discuss the implementation of Java RMI on server.	07	
Q.4	(b)		07	
~··	(6)	Explain the Corest terms, coject adapter, 1 or 1, 1 talling service.	07	
Q.5	(a)	Explain the following CORBA terms:	07	
		ORB, IDL, IOR, orbd		
	(b)	* *	07	
		protocols. List the IIOP specification.		
0.5	(2)	OR Write a short note on PEST	07	
Q.5	(a) (b)		07 07	
	(U)	Explain 50711. Compute 50711 webservices and RESTILL webservices.	07	
