GUJARAT TECHNOLOGICAL UNIVERSITY

MCA – SEMESTER IV • EXAMINATION – SUMMER 2016

Subject Code: 640006 Subject Name: Distributed Computing Time: 10.30a.m. To 01.00p.m. Instructions: Total Mar			4-06-2016	
			: 70	
instru	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a)	Differentiate between Monolithic Computing, Parallel Computing and Distributed Computing.	07	
	(b)	1 0	07	
Q.2	(a)	1 0	07	
	(b)	client server application. Write code in Java for implementing a TCP based echo client server application.	07	
		OR		
	(b)	Write code in Java for implementing a TCP based daytime client server application.	07	
Q.3	(a) (b)	• • • • • • • • • • • • • • • • • • • •	07 07	
Q.3	(a)	Explain classification of Multi-casting Mechanisms based on various criteria.	07	
	(b)		07	
Q.4	(a)	Explain the steps for building an RMI Application.	07	
Ų. 4	(a) (b)		07	
Q.4	(a)	What is RMI? Draw and explain Java RMI architecture. Show stubskeleton interactions using interaction diagram.	07	
Q.4	(b)		07	
Q.5	(a) (b)	Write a short note on REST. What is WSDL? Explain the role of WSDL in SOA integration with appropriate figure.	07 07	
Q.5	(a) (b)		07 07	
