Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. - SEMESTER – I • EXAMINATION – WINTER 2012

	•	code: 712305N Date: 16-01-2013	
Tin	ne: 0	Name: Distributed Computing 2.30 pm - 05.00 pm Total Marks: 70 tions:	
	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	What is Distributed System? List the advantages of Distributed System over	07
	(b)	Centralized System. Discuss the various design issues of Distributed systems	07
Q.2	(a)	Explain the design of Busbased multicomputer	07
	(b)	Write a short note on Multithreading	07
	(b)	OR Explain true distributed system in detail	07
Q.3	(a)	Explain the concepts of Network operating system in detail.	07
	(b)	Explain object management Architecture for Distributed Environment.	07
Q.3	(a) (b)	OR What is RMI? Explain feature of RMI in distributed Environment. List the kinds of Transparency in Distributed system	07 07
Q.4	(a) (b)	Explain IPC in detail. Explain and compare J2EE and .Net Distributed application. OR	07 07
Q.4 Q.4	(a) (b)	Write a short note on XML with it advantages. Create .dtd file for library book information and also create well formed XML document to store this information against .dtd.	07 07
Q.5	(a)	Explain following webservice protocol with example (1) SOAP (2) WSDL	07
	(b)	Explain steps of calling weservices. OR	07
Q.5	(a) (b)	Explain web service protocol stack. Explain Grid computing	07 07
