using JWS?

Seat No.: _____ Enrolment No.____

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA - SEMESTER-IV • EXAMINATION - SUMMER • 2015

Subject Code: 2640006 Date: 20-05-20			
Su	Name: Distributed Computing (DC1)		
Ti	me: 1	10:30 am - 01:00 pm Total Marks: 70	
Ins	tructio		
		Attempt all questions.	
		Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	
0.1	()		0.7
Q.1	(a)	Attempt the following (Any 7)	07
		i. What is Distributed Computing?	
		ii. What is Monolithic Computing?	
		iii. What is Co-operative Computing?	
		iv. What do you mean by Paradigm?	
		v. What is indefinite blocking?	
		vi. Why timeout is required? vii. What is Data Marshalling?	
		vii. What is Data Marshalling? viii. Differentiate HTML Vs XML.	
	(b)	i. Discuss Strength and weakness of Distributed Computing.	05
	(b)	ii. What is the use of XQuery?	03
		ii. What is the use of Aquery:	UZ
Q.2	(a)	Explain Inter-Process Communication. Discuss event synchronization in the	07
		following modes of IPC.	
		i. Asynchronous Send and Asynchronous Receive	
		ii. Synchronous Send and Asynchronous Receive	
	(b)	Differentiate the Following	
		i. Reliable Multicast Vs Unreliable Multicast	04
		ii. Iterative Server Vs Concurrent Server	03
		OR	
	(b)	Differentiate the Following	
		i. Connection-less IPC Vs Connection Oriented IPC	04
		ii. Stateful Server Vs Stateless Server	03
Q.3	(a)	Explain Peer to Peer Paradigm and Message System Paradigm.	07
	(b)	Explain with complete example program: How to	07
	` '	i. Join to a multicast group?	
		ii. Send and Receive a DatagramPacket to a multicast group?	
		OR	
Q.3	(a)	Explain Message Passing Paradigm and Mobile Agent Paradigm.	07
	(b)	What is reliable multicasting? Discuss classification of reliable multicast systems.	07
ΩA	(a)	Write a java code to implement Simple DayTime Server program using Stream	07
Q.4	(a)	Socket API.	U /
	(b)	Explain how hidden form-fields can be used for transferring session state data.	07
	(D)	OR	U /
ΩA	(a)	With Diagram and code fragment, explain connectionless datagram socket.	07
Q.4	(a)	What is RMI? With suitable example discuss the implementation of Java RMI on	07 07
	(b)	server. (With Steps for building an RMI Application).	U/
		server. (with steps for building an Kivit Application).	
Q.5	(a)	What is XPath? Explain Navigating XML Trees with XPath.	07
Q.S	(a) (b)	With code fragment explain how to get EIS record from REST service without	07
	(~)		5,

OR

Q.5	(a)	Compare SOAP Web Services and RESTful Web Services with Example.	07
	(b)	a. Differentiate HttpURLConnection Vs JAX-WS Version	03
		b. What is WSDL? Explain role of WSDL in SOA integration.	04
