Seat N	o.: _	Enrolment No  GUJARAT TECHNOLOGICAL UNIVERSITY		
	M.C.A -IV <sup>th</sup> SEMESTER-EXAMINATION – MAY- 2012			
U			Date: 19/05/2012  Total Marks: 70	
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2.	Atte Mal	ons: empt all questions. xe suitable assumptions wherever necessary. ures to the right indicate full marks.		
Q.1	(a)	Explain reasons for the popularity and most significant disadvantages of Distributed Computing.	07	
	<b>(b)</b>	Introduce sequence diagram. Draw sequence diagram for HTTP.	07	
Q.2	(a) (b)	Write a note on data representation and data encoding. List various paradigms for distributed applications and explain any one.  OR	07 07	
	<b>(b)</b>	Explain Secure Socket API and its implementation in Java.	07	
Q.3	(a) (b)	According to three layer software architecture, explain daytime client-server using connectionless datagram socket.	07 07	
Q.3	(a) (b)	Explain iterative server, concurrent server, and stateful server. With code fragment explain Java multicast API.	07 07	
Q.4	(a) (b)	Explain steps for building an RMI application.  Discuss how to transfer session state data using cookies.  OR	07 07	
Q.4	(a) (b)	Explain the Naming Service and basic architecture of CORBA. How to build CORBA application using Java IDL? Discuss.	07 07	

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Q.5 (a) With diagram explain Web Service infrastructure and stepwise 07

technologies - Java RMI, .NET Remoting, and CORBA.

(b) Discuss advantages and limitations of Web Services compare to other 07

(a) With code fragment explain how to get EIS record from a REST service 07

communication.

without using JWS?

(b) Explain the role of WSDL in SOA.

Q.5

**07**