Seat No.:	Enrolment No.

Subject code: 1720102

GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. - SEMESTER - II • EXAMINATION - WINTER 2012

Date: 31-12-2012

•			ne: Distributed Computing and Application one am – 01.00 pm Total Marks: 70	
Instr			-	
HISU	1. 2.	Att Ma	tempt all questions. Aske suitable assumptions wherever necessary. Equres to the right indicate full marks.	
Q.1	. ((a)	What are the basic types of IPC? Compare Connection oriented and Connection less IPC.	07
	((b)	Discuss Different forms of computing	07
Q.2	. ((a)	Explain following terms (i) JSSE (ii) IOR (iii) GIOP (iv) POA (V) UDDI (VI) INS (vii) MOM	07
	((b)	What is RMI? Compare and contrast RMI, RPC and Socket. OR	07
	((b)	What is prepared Statement in JDBC? How does it differ from statement object? Show its use with suitable example.	07
Q.3	((a)	Explain stream mode socket API with key methods and constructor of socket class with suitable example.	07
	((b)	Write a short note on JMS. OR	07
Q.3	((a)	What is web service? Only draw its protocol hierarchy. Explain multitier architecture of J2EE.	07
	((b)	Write a short note on XML.	07
Q.4	. ((a)	Compare Parallel and Distributed computing. What is MPI and Open MP? Write a program to subtract two matrix using MPI.	07
	((b)	Write a short note on PVM. OR	07
Q.4	((a)	Compare and contrast following. (i) Message passing Vs. Distributed object paradigm. (ii) RMI Vs. CORBA.	07
Q.4	((b)	Write down steps to build RMI application with client callback algorithm with allowing stub downloading.	07
Q.5	((a)	Compare and contrast Distributed, Parallel, Grid, Cloud and Cluster computing also give suitable example of each.	07
	((b)	Write a short note on CORBA. OR	07
Q.5	((a)	What is Servlet? Explain HTTP Request and Response that contains SOAP Request and Response with necessary code.	07
	((b)	Write a short note on SOAP.	07
