GANPAT UNIVERSITY

B. TECH SEMESTER-VI CE/IT EXAMINATION MAY-JUNE - 2012

CE-605/IT-605: DISTRIBUTED SYSTEMS

1. Figures to the right indicate full marks

3. Be precise and to the point in your answer

2. Each section should be written in a separate answer book

Time: 3 Hours]
Instructions:

[Total Marks: 70

		Answer S following	
		(a) Explain the Google Vision (b) Control of the Co	
Q.1	(a)	Answer the following (i) Compare and Contrast Distributed Systems with Computer networks. (ii) Define the Reasons and Examples of Distributed Systems.	06
	(b)	Describe the Multiprocessors and Multicomputer systems for Distributed systems. OR	06
Q.1	(a)	Answer the following Define the following terms: (i) Transparency	06
	(b)	(ii) Scalability (iii) Middleware Discuss the Client-Server Model and Peer-to- Peer model in distributed systems.	06
Q.2	(a) (b)	Answer the following Explain the steps of RPC implementation in detail. Define RPC. Write short note on DCE RPC.	06
		OR	
Q.2	(a) (b)	Answer the following Write a program to implement Echo service using Java RMI. Define Distributed Objects. Describe Java RMI in detail.	06 05
Q.3	(a)	Answer the following Compare Threads with Processes. Describe the ways to create a Thread	06
((b)	using Java with programs. Why a Multithreaded server is better than a Single-threaded server and a FSM server? Explain with example	06

SECTION-II

Q.4	(a) (b)	Answer the following Explain the Remote-access and Upload-download model of NFS. Define Software Agent. Describe Mobile Agent Infrastructure	(0 0
		OR OR	UTO	
Q.4	(a) (b)	Answer the following Explain CODA client architecture. Define various states of Venus. Define NFS. Explain the basic NFS architecture fir UNIX system.	•	0
Q.5	(a) (b)	Answer the following Explain the Google Cluster organization. Define DFS. Describe working Principle of CODA file system with example.		00
		(ii) Define the court of Sold and Sold		
Q.5	(a) (b)	Answer the following Write short note on HADOOP. Discuss the Web services architecture.		06 05
Q.6	(a)	Answer the following Describe Centralized, Distributed and Token ring algorithm for Murexclusion in brief	tual	06
	(b)	Explain Lamport's logical clock algorithm.		06
		Ariswer the following in adam and a second at the following in adam and a second at the steps of RPC implementation are obtained. Define RPC. Write short noteion DEE R. C. C.		0.2
		Answer the following Write a program to implement Echo service usitor lava RMI. Define Distributed Objects, Describe Java RMI in detail.		
80	0.60	Answer the following Compare Threads with Processes. Describe the ways to weat or using Java with programs, Why a Multithreaded server is better than a Single-threaded server FSM server? Explain with example		