[2] rgpvonline.com

	b)	Discuss various naming related access contro Mechanisms.	7
5.	a)	Describe the two-phase commit protocol in a distribute DBMS. Why are <u>acknowledgement</u> messages require in 2PC?	
	b)	What is a phantom deadlock? Why does it occur only in DDBMS?	in 7
6.	a)	Describe a time stamp-based concurrency control for distributed DBMS.	a 7
	b)	A typical computer system is designed to prevent virus programs from replicating in an uncontrolled manner by allows worms to run. Suggest a suitable security system	ut
7.	a)	Compare the relative merit and demerits of various threa models.	ıd 7
	b)	Enumerate the various issues in clock synchronization	
8.	Wri	ite short note on:	4
	i)	SUN Network File system	
	ii)	Network principles	
	iii)	Distributed Debugging.	

Total No. of Questions :8]

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MCIT - 202

M.E./M.Tech., II Semester

Examination, June 2014

Distributed Computing

Time: Three Hours

Maximum Marks: 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

 a) Discuss briefly the various issues related to distributed system design.

 Discuss the difference between the work station - server and the processor-pool model in terms of availability.

a) State in brief the various optimization techniques that ensure better performance of RPC. 7

Explain the significance of RMI in distributed system.
Also write features of Java RMI.

 a) In a distributed system, processes agree on the order in which events occur and not on the time they occur. Give three reasons to illustrate this statement.

b) How does DFS differ from a file system used for a centralized time-sharing system?

4. a) Explain how logical clocks are implemented in a distributed system.

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