Exam. Code : 208601 Subject Code : 4695

M.Sc. (IT) Semester—I DISTRIBUTED COMPUTING Paper—MIT-102

Time	e Alle	owed-	-3 Hours]		[Maximu	m Marl	ks-	-100
Note	e :—	- Atten	npt any five s.	questions	s. All ques	tions ca	rry e	qua
1.	What are various hardware and software issues of distributed systems? Explain them in detail.						s of 20	
2.	(a)	Expla	ain RPC by	taking	an examp	ole.		10
	(b)	What	t are main o	bjectives	s of distril	outed sy	yster	ns ?
3.	(a)	Expla	nin the conce	pt of mut	ual exclusi	ion in di	strib	utec
	(b)		uss the role on chronization		clocks and	l physic	al cl	ocks
4.	What is Thread Synchronization? Explain the implementation issues of Threads in distributed systems.					ation		
5.	(a) What are the exceptions in Client Server and RPO models?					RPC		
	(b)	Discu	uss the conc	ept of M	arshalling	ş. Ç		10
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6.	(a)	Compare Client Server and Peer-to-Peer.	10
	(b)	Differentiate between multicast and atomic broade	ast.
			10
7.	(a)	What is the concept of Naming and Locat	ion
		transparency in distributed file systems?	10
	(b)	Explain DSM architecture in detail.	10
8.	Wri	te short notes on the following:	
	(a)	Cryptography	10
	(b)	Cache Coherence.	10

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