

b) Explain about TLS.

11.a) Discuss about distributed shared memory.b) Explain in detail about CORBA RMI.

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[5+5]

[5+5]

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD MCA IV Semester Examinations, January - 2018 DISTRIBUTED SYSTEMS

Time: 3hrs Max.Marks:75

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

	PART - A	
		5×5 Marks = 25
1.a)	Explain about interprocess communication.	[5]
b)	What is thread? Differentiate thread and process.	[5]
c)	Write down the features of squirrel system.	[5]
d)	What are the drawbacks of locking? Explain.	[5]
e)	Discuss about CORBA services.	[5]
	PART - B	
		$5 \times 10 \text{ Marks} = 50$
2.a)	What is firewall? Explain.	
b)	Discuss about RPC in distributed environment.	[5+5]
- /	OR	[]
3.	Explain various architectures of distributed system.	[10]
4.a)	Write a short notes on operating system features in distributed system Explain about X.500 directory service. OR Explain the following. a) Virtual file system b) Client caching.	ns.
b)	Explain about X.500 directory service.	[5+5]
,	OR	
5.	Explain the following.	
	a) Virtual file system	
	b) Client caching.	[5+5]
	20	
6.a)	Write a short notes on distributed debugging.	
b)	Discuss about peer to peer middleware.	[5+5]
	OR	
7.a)	Discuss about napster system.	
b)	What are the tasks of routing overlays?	[5+5]
8.a)	Explain about distributed deadlocks.	
b)	Discuss about system model and group communication.	[5+5]
-,	OR	[0.0]
9.a)	Explain about replication in distributed systems.	
b)	Write a short notes on fault tolerant services in distributed systems.	[5+5]
-,		[]
10.a)	Write a short notes on digital signatures.	
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OR