_____ **C.U.SHAH UNIVERSITY** Winter Examination-2019

Subject Name : Distributed Systems

	Subject	Code : 4TE08D	SY1	Branch: B.Tech (CE)		
	Semester	r:8 Da	te : 01/10/2019	Time : 10:30 To 01:30	Marks : 70	
	(2) l	Use of Programm Instructions writt	en on main answer b	y other electronic instrument is prook are strictly to be obeyed.	rohibited.	
		Draw neat diagra		cessary) at right places.		
Q-1		Define Followi	ng Terms.			(14)
	a)	Granularity	·			
	b)	Network Opera	ting System			
	c) d)	Thrashing Message Passir	a Machanism			
	u) e)	Transparency				
	c) f)		ommunication-IPC			
	g)	Cache Memory				
	b)	Thread				
	i)	Kernel				
	j)	Fault Tolerance				
	k)	DOS				
	l)	Deadlock				
	m)	Mutable File S	ystem			
	n)	Disk-full works	station			
		four questions f				
Q-2		Attempt all qu				(14)
	a) b)	-		ferent types of transparency. ernel and monolithic kernel appro	oach	
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Q-3	1	Attempt all qu	estions			(14)
	a)	What is process migration.	s migration? What ar	e the main steps involved in proce	ess	
	b)	Explain differe	nt Addressing Techn	iques of Client-Server Model.		
Q-4		Attempt all qu	estions			(14)
-	a)		Load-Balancing app	roaches.		

Briefly define Distributed System. What are the advantages of Distributed System? **b**)



	Attempt all questions		
a) Explain Processor-pool & Workstation Server Models of Distributed System.			
b)	What is DNS? Name the type of organization of the Given DNS domain name com, edu, org, net, gov, mil, arpa.		
	Attempt all questions		
a)	Which are the characteristics features of system oriented name in naming system?		
b)	Differentiate tightly coupled and loosely coupled system.		
	Attempt all questions		
a)	Explain various types of file sharing semantics.		
b)	What is ostrich algorithm? Explain Bully Election algorithm in detail.		
	Attempt all questions	(14)	
a)	What is Real Time Distributed System? Explain the types of Real Time		
,	Distributed System.		
b)	Briefly explain DSM (Distributed Shared Memory)		
ŗ	Distributed System.		
	 b) a) b) a) b) 	 a) Explain Processor-pool & Workstation Server Models of Distributed System. b) What is DNS? Name the type of organization of the Given DNS domain name com, edu, org, net, gov, mil, arpa. Attempt all questions a) Which are the characteristics features of system oriented name in naming system? b) Differentiate tightly coupled and loosely coupled system. Attempt all questions a) Explain various types of file sharing semantics. b) What is ostrich algorithm? Explain Bully Election algorithm in detail. Attempt all questions a) What is Real Time Distributed System? Explain the types of Real Time Distributed System. 	

