Code No: 126AP

R13

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B.Tech III Year II Semester Examinations, May - 2016 DISTRIBUTED SYSTEMS

		Computer Science	and Engineeri	ng)		
Time: 3 hour	* * * * * * * * * * * * * * * * * * *		* * * * * * * * * * * * * * * * * * *	X	Max. Marks: 75	* * * * * * * * * * * * * * * * * * *
		ntains two parts A which carries 25 i		r all questions	in Part A. Part B	
		swer any one full e a, b, c as sub que		each unit. Eac	ch question carries	
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					(25 Marks)	
b) Defin	e types of failures e bully algorithm		y byzantine fa	•	[3]	X
e) List the f) State g) Expla	ne differences bet client-server com in name resolution	on.	OP.	1 % 27	[2] [3] [2]	6 K V
h) Expla i) Expla j) Defin	in other aspects in recovery of ne e distributed dead	n the Andrew file sted transactions.	system.		[3] [2] [3]	* * * * * * * * * * * * * * * * * * *
		PART	Г - В			
	26		1		(50 Marks)	
techn	ologies for inforn	nation browsing.	e scalable thar		(50 Marks) nd HTTP as core d systems. [5+5]	W W W
b) Discu	ologies for inform ass how distribute onstrate the design	nation browsing. d systems are mor Ol n requirements for	e scalable than R distributed are	the centralize	nd HTTP as core	X X X X X X X X X X X X X X X X X X X
technology b)Expla	ologies for informuse how distribute onstrate the design in how events are	nation browsing. d systems are mor On requirements for c ordering in real-t	e scalable than R distributed are ime with neat	the centralize	nd HTTP as core d systems. [5+5]	K
technology b) Discussion Discussion Democratic b) Explain 4.a) Explain	ologies for informuses how distribute onstrate the design in how events are the different kind different kind	nation browsing. d systems are mor On requirements for e ordering in real-terms. dls of problems the	e scalable than R distributed are ime with neat	the centralize	nd HTTP as core	
technology b) Discussion Demonstrates b) Explain agree	ologies for informuss how distribute onstrate the designation how events are the different kind ment in distribute	nation browsing. d systems are mor Olar requirements for e ordering in real-tells of problems the d systems. s done when any p	e scalable than R distributed are ime with neat are associ	the centralize chitectures. sketch.	nd HTTP as core d systems. [5+5]	
technology b) Discussion 3.a) Democratic bin Explain 4.a) Explain agree bin Explain 5.a) Differ bin Illustri	ologies for informass how distribute onstrate the designant how events are not in different kind ment in distribute in how election is rentiate, failure as rate an example e	nation browsing. d systems are more On requirements for e ordering in real-test sof problems the d systems. s done when any problems and fail	e scalable than R distributed are ime with neat hat are associ earticular syste R lure detectors. ng- based algo	the centralize chitectures. sketch. ated with the m crashes?	nd HTTP as core d systems. [5+5] [5+5] coordination and [5+5] that processes are	



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		(Computer Science	te and Engineer	ing)		
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Part A	is compulsory ets of 5 Units. Ar		5 marks. Answe ll question from		n Part A. Part B question carries	
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					(25 Marks)	
b) Define c) Define d) Define e) List th f) State g) Expla h) Expla	e types of failure e bully algorithm e the definition of ne differences be client-server con in name resolution in other aspects	of the critical sect tween TCP and Unmunication. on. on the Andrew filested transactions	by byzantine fation. JDP. e system.		[3]	K.
		DAI	RT - B			
		IAI	(1 - B		(50 Marks)	
techno	ologies for inform	nation browsing. ed systems are m	* * **	х 6 86	d HTTP as core systems. [5+5]	6 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18
3.a) Demo	onstrate the design in how events ar	n requirements for early ordering in real	or distributed ar	chitectures.		
4.a) Expla	in different kin	ds of problems	* * * **	* * * **	coordination and	* * * * * * * * * * * * * * * * * * *
4.a) Expla	in different kin ment in distribute	ds of problems ed systems.	that are associ	iated with the o	coordination and	X
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	(Computer Science	and Engineerii	ng)		
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					(25 Marks)	
b) Defin		led by multiple sers. What is meant b	_	ilure?	[3]	* *
d) Defin e) List tl f) State g) Expla	the definition of the differences bet client-server com tin name resolution	f the critical section ween TCP and UI munication.	OP.	K9	[2] [3] [3] [2] [3]	**************************************
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		PART	Г - В			
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	28		1		(50 Marks)	
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b) Discu	ologies for inform ass how distribute constrate the design	nation browsing. d systems are mor Ol n requirements for	e scalable than R distributed arc	the centralize	nd HTTP as core	ř.
b) Discu	ologies for inform ass how distribute constrate the design	nation browsing. d systems are mor Ol	e scalable than R distributed arc	the centralize	nd HTTP as core	
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