R15

Code No: 5258AC

11.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD M.Tech I Semester Examinations, February - 2016

DISTRIBUTED SYSTEMS			
(Computer Science and Engineering) Time: 3hrs Max.Marks: 75			
Notes	This question passes sentains to a sent A and D		
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:	5×5 Marks = 25	
1.a)	Write a short notes on Java RMI.	[5]	
b)	Explain the hierarchic structure of DNS name space.	[5]	
c)	Discuss briefly about synchronizing physical clocks.	[5]	
d)	List out the problems of concurrent transactions.	[5]	
e)	What are the merits of DSM over message passing mechanism?	[5]	
	and the ments of Bonn over measure pussing mechanism.	[3]	
	PART - B		
	5 ×	10 Marks = 50	
	어디지는 강에 있지? 그렇게 살아 없다는 이 어때 모든 것이		
2.	What are the challenges arising from the construction of a distributed system?		
		[10]	
	$\sim 10^{10} M_{\odot} \sim 10^{10} M_$		
000	What are the characteristics of distributed event based systems?	[10]	
/			
4/	How the addresses of resources or objects of given names are obtained?		
	Explain.	[10]	
-	OR	[20]	
5.	With a neat diagram explain file service architecture in detail.	[10]	
		[10]	
6.	What is coordinated universal time? How is it implemented?	[10]	
	OR	[10]	
7.	Explain the implementation of total ordering.	[10]	
	2. Plant the impromentation of total officing.	[10]	
8.	Explain the problems of concurrency transactions using any real t	ima avamala	
77	Explain the problems of concurrency transactions using any real t		
1	\mathbf{OR}	[10]	
9.		- 1 1 1	
1.	Explain deadlock prevention. Discuss the advantages of leadlocks with any and	The second secon	
seal C	deadlocks with example.	[10]	
10/		Turkey and the second	
10.	How language mapping is presented in CORBA? Explain with ex	cample. [10]	

OR

What are the consistency issues raised by state transfer in a distributed transactions? Explain the difference between linearizability and sequential consistency, and why the latter is more practical to implement, in general. [10]