Paper / Subject Code: 52771 / Distributed Computing

Time:(3 Hours)		marks:80	
N.B:	1) Question number 1 is compulsory.		
	2) Attempt any three out of the remaining.		
	3) Assume suitable data if necessary and justify the assumptions.	£ '	
	4) Figures to the right indicate full marks.		
Q 1			
F	consistency model	[5]	
I	What is 1:M and M:1 group communication?	[5]	
(Differentiate between NOS DOS and Middleware in the design of distributed systems	[5]	
Ι	What is fault tolerance? Explain failure models.	[5]	
Q 2			
A	Explain code migration and its techniques.	[10]	
I	B Explain Bully election algorithm with suitable example.	[10]	
0.0			
Q 3	Explain Raymond's algorithm for mutual exclusion.	[10]	
A F		[10] [10]	
	That are different data control consistency moders	[10]	
Q 4			
A STATE OF THE PARTY OF THE PAR	Explain different load estimation and process transfer policies used by load balancing algorithms.	[10]	
Ş, I	What are physical clocks? Explain any one physical clock synchronization algorithm.	[10]	
Q 5			
V F	What are different issues and goals related to distributed systems?	[10]	
) I	B Explain file caching schemes	[10]	
Q6			
	Write a short note on Replication and the types of it.	[10]	
F	3 What is RPC? Explain working of RPC in detail	[10]	