Paper / Subject Code: 37302 / DISTRIBUTED SYSTEMS
1T01216 - T.E.(INFORMATION TECHNOLOGY)(Sem VI) (CBSGS) / 37302 - DISTRIBUTED 16-May-19 SYSTEMS 56761

		Time – 3 hrs.	Marks 80
N.B.	 Question no.1 is compulsory. Attempt any 3 questions out of remaining 5 questions. Figures to the right indicate full marks. Assume suitable data wherever necessary. 		
Q.1	a b	Compare NOS and DOS What are various kind of message buffering techniques used	5 M
		in IPC.	5 M
	c d	What are Roles in EJB? Explain Service Oriented Architecture (SOA) lifecycle	5 M
	u	with a diagram.	5 M
Q.2	a	Describe the need for coordinator in distributed system.	
		Demonstrate the working of Election algorithm.	10 M
	b	What are the components of CORBA? List the advantages of CORBA.	10 M
Q.3	a	Describe desirable features of a good message passing system	. 10 M
	b	Explain client centric consistency model in distributed system	. 10 M
Q.4	a	Explain migration in Heterogeneous system.	10 M
	b	Describe different distributed computing models.	10 M
Q.5	a b	Describe various transparencies in distributed system. Explain need of deadlock detection algorithm.	10 M
		Explain probe based distributed deadlock detection algorithm	10 M
Q.6	Write short note on (Any two)		20 M
300	a b	Group communication NET architecture	
	C	RPC communication protocol	
3,30,0	2300	11 Communication protocor	

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