TELITIVI DISTABLED Systems

Q.P. Code: 594803

		(3 Hours) [ Total Warks	: 80
N.B. :	(1)	Question No.1 is compulsory.	
	(2)	Solve any three from remaining five.	
	(3)	Assume suitable data whereever necessary.	
	(4)	Figures to the right indicate full marks.	
1. A	Attempt the following (any four):		20
	(a)	Compare Stateful and Stateless server implementations.	
	(b)	Explain what is a callback RPC.	
	(c)	Compare NOS and DOS.	
	(d)	List types of failures in message passing system and how to overcome them.	
	(e)	Compare Bully Election Algorithm with Ring based election algorithm.	
2. (a)		lain the need of distibuted deadlock detection algorithms. Explain probe ed distributed deadlock algorithm in detail.	10
(b)		at is a thread and advantages of using threads. What are different models organizing threads.	10
3. (a)		ine Happened-Before relationship. Explain implementation of logical eks with an example.	10
(b)		cribe .NET architecture with peat labeled diagram.	10
4. (a)		at are the reasons for inigration of code? Explain the various models code migration.	10
(b)		lain Distributed Approach for providing mutual exclusion.	10
5. (a)	Exp	lain SOA lifecycle with diagram. Also state the advantages of SOA.	10
(b)		v is sequential consistency model implemented if Replicated Migrating	10

Blocks are used in distributed system for Distributed Shared Memory.

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2

- 6. Write notes on following:
  - (a) CORBA Components
  - (b) Components of EJB framework.
  - (c) Explain Message Buffering in IPC
  - (d) .NET architecture

20