

E8905

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ME (Computer Sc. & Engg.) II-Semester Exam. June-2007
Distributed & Parallel Computing
Subject Code: E8905

Time: 3 Hrs.

Max. Marks: 80

Min. Pass Marks: 28

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*Attempt any FIVE questions.
Each question carries equal marks..*

- Q.1 Explain page based distributed shared memory system in distributed operating systems. Compare distributed operating systems with network operating systems.
- Q.2 Explain the concept the Remote Procedure call. Write a detail note on the operation of Remote Procedure call in a client-server system.
- Q.3 How names are organized in a distributed system? Explain the implementation of name space and name resolution in a distributed system.
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- Q.4 Explain the basic concepts of fault tolerance in distributed systems. What is triple Modular Redundancy? Explain how redundancy is used for fault masking.
- Q.5 Define various types of security threats in distributed systems. How cryptographic techniques are used to implement security in distributed systems. Explain DES cryptographic algorithm.
- Q.6 Give an overview of CODA distributed operating system. Explain the implementation of security in CODA file system.
- Q.7 What is URL? Explain architectural details of a client and server in the web.
- Q.8 Write short notes on : any four.
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- (i) Threads
 - (ii) Naming versus locating entities.
 - (iii) Clock synchronization Algorithm
 - (iv) Replica Placement distribution Protocol
 - (v) Overview of NFS
 - (vi) Concept of Caching and replication