

Roll No.

Total No. of Questions : 08]

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M.Tech.

DISTRIBUTED SYSTEMS

SUBJECT CODE : CS - 504

Paper ID : [E0684]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 100

Instruction to Candidates:

- 1) Attempt any **Five** questions.
- 2) **All** questions carry equal marks.

Q1) What is a Distributed System? Discuss the architecture of a distributed system.

Q2) What is a deadlock? How are deadlocks managed in a Distributed System?

Q3) What is distributed object computing? Discuss atleast 4 protocols that support distributed object communication.

Q4) What is a distributed transaction? Discuss the protocols used to manage distributed transactions.

Q5) Discuss the architecture of Tiger Video File Server.

Q6) What is a domain name system? How it works? How is the security issue handled?

Q7) What is concurrency control? How is it ensured in a distributed environment?

Q8) Why processes need to communicate? How Unix operating system supports interprocess communication?

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