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SECTION-C

How group models for service replication are

Compare the models of client server and RPC.

(a) Compare client server and peer to peer Computing.

Discuss the following concepts:

Thread synchronization.

Transaction consensus.

implemented? Explain.

Exam. Code 208601 Subject Code: 4705

M.Sc. Information Technology 1st Semester DISTRIBUTED COMPUTING Paper-MIT-102

Time Allowed—3 Hours [Maximum Marks—100

Note: -- Attempt five questions, selecting at least one question from each Section and the fifth question may be attempted from any Section. All questions carry equal marks.

SECTION-A

- What are the objectives of using distributed systems? Discuss the architecture of different types of distributed systems. 20
- (a) How communication is carried out using client server protocols for distributed systems? Explain. 10
 - (b) Discuss the procedure for implementing RPC communication in distributed systems. 10

SECTION-B

- (a) Explain the concept of synchronization in distributed systems. 10
 - (b) Discuss the role of different types of clocks in synchronization. 10

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Write short notes on the following:

(a) Distributed shared memory.

(b) Access control in Distributed Computing. 10

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