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Code: 06MC405A

MCA IV Semester Supplementary Examinations September/October 2014

DISTRIBUTED OPERATING SYSTEMS

(For students admitted in 2008 only)

Time: 3 hours Max Marks: 60

Answer any FIVE questions
All questions carry equal marks
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1 (a) Define distributed system. What are the hardware concepts related to distributed system?
(b) Discuss the design issues of a distributed system.

2 Explain in detail about group communication.

3 (a) Explain centralized algorithm for mutual exclusion.
(b) Explain distributed algorithm for mutual exclusion.

4 (a) Explain the design issues of thread package.
(b) Explain the concept of threads application in remote procedure calls.

5 Explain the trends in distributed file system.

6 (a) What is shared memory?
(b) Explain strict and sequential consistency models.

7 Explain object based distributed shared memory.

8 Explain in detail about communication in MACH.

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