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Reg. No. :

Name :

**Eighth Semester B.Tech. Degree Examination, May 2013
(2008 Scheme)
08.806B : DISTRIBUTED SYSTEMS (F)**

Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions.

1. Explain mobile agents.
2. What are the issues related to datagram communication ?
3. Write short note on distributed object model.
4. What is copy-on-write ?
5. Explain lost update problem.
6. What is passive replication ?
7. Explain CORBA's common Data Representation.
8. Distinguish between buffering and caching.
9. Write short note on firewall configurations.
10. Discuss in brief RPC exchange protocols. **(10×4=40 Marks)**

PART – B

Answer **any one** question from **each** Module. **Each** question carries **20** marks.

Module – I

11. Explain in detail the design issues for distributed systems in the form of fundamental models. **20**

OR

12. a) Discuss in detail networking issue for distributed systems. **10**
b) Explain with diagram mobile routing mechanism. **10**

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Module – II

13. Explain with proper examples interprocess communication in UNIX. 20

OR

14. a) Explain with example event based distributed systems. 14

b) Write short on remote procedure call. 6

Module – III

15. a) Discuss in detail core OS functionality. 10

b) Distinguish between monolithic Kernel architecture and micro kernel architecture. 10

OR

16. Explain in detail Sun Network file system. 20
