



(Pages : 2)

7689

Reg. No. :

Name :

Eighth Semester B.Tech. Degree Examination, November 2015
(2008 Scheme)
08.806 B : DISTRIBUTED SYSTEMS (F)

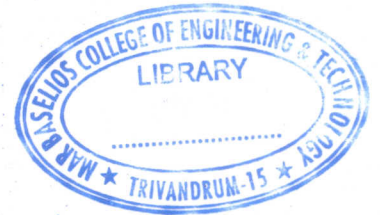
Time: 3 Hours

Max. Marks: 100

PART – A

Answer **all** questions. **Each** question carries **4** marks :

1. Explain about the different types of network.
2. What are the design requirements to be met in designing a distributed system architecture ?
3. Write down the significance of group communication.
4. Write down the two-main characteristics of distributed event-based systems.
5. Write down the significance of protection schemes in distributed systems.
6. Differentiate between processers and threads.
7. Write short note on SUN NFS.
8. Define RMI. List its design issues.
9. Give some ideas regarding TCP stream communication.
10. Explain concurrency control.



(4x10=40 Marks)

PART – B

Module – I

11. Mention the important software layers and explain it with a layered diagram. **20**
- OR
12. What is the fundamental model in case of a distributed system. Explain. **20**

P.T.O.

**Module – II**

13. Give a neat sketch of a distributed object model. 20

OR

14. Differentiate between datagram communication and stream communication. 20

Module – III

15. Explain the terms : 20

- 1) The two-phase commit protocol
- 2) Primary Copy Replication
- 3) Read One-Write all Replication Scheme.

OR

16. a) How a new process gets created in a distributed system ? Explain. 10

b) Explain in detail nested transactions. 10

