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B – 2689

Reg. No. :

Name :

Eighth Semester B.Tech. Degree Examination, December 2016
08.806 B : DISTRIBUTED SYSTEMS (F)
(2008 Scheme)

Time : 3 Hours

Max. Marks : 100

PART – A

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

1. What are the advantages of distributed systems ?
2. 'Web is an open system'. Justify.
3. Define the term clock drift time.
4. Define IP. multicasting.
5. Compare GET and POST methods in HTTP.
6. What are the characteristics of group communication ?
7. Define RPC.
8. Define concurrency control.
9. What is meant by nested transaction ?
10. Write short note on replication.

(10×4= 40 Marks)

P.T.O.



PART – B

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

Module – I

- 11. a) Explain the various challenges of distributed systems. **10**
- b) Explain the design issues of distributed systems. **10**

OR

- 12. a) Explain in detail the failure fundamental model. **10**
- b) Explain the various firewall configurations in detail. **10**

Module – II

- 13. Describe the Java API for UDP datagram communication. How UDP is different from TCP. **20**

OR

- 14. Discuss in detail about how RMI is implemented. **20**

Module – III

- 15. a) Explain the architecture and principles of monolithic kernel and microkernel. **10**
- b) Discuss version locking and hierarchic locking schemes for increasing concurrency. **10**

OR

- 16. a) Discuss about threads in detail. **12**
 - b) Write note on Sun Network File System. **8**
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