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1506

Reg. No. :

Name :

**Sixth Semester B.Tech. (Information Technology) Degree Examination,
May 2012
(2008 Scheme)
08.602 : COMPUTER NETWORKS (F)**

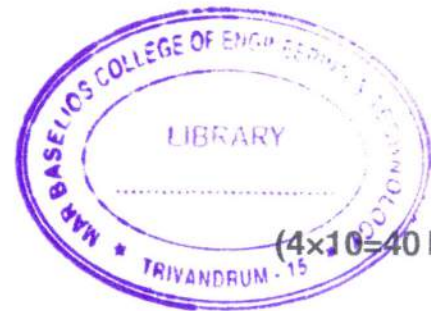
Time : 3 Hours

Max. Marks : 100

PART – A

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

1. What is meant by gigabit ethernet ?
2. Explain how computer network differs from distributed system.
3. What are the functions of presentation layer in OSI reference model ?
4. What do you mean by piggybacking ?
5. Explain the frame format of 802.3.
6. What is the difference between adaptive and non adaptive routing ?
7. What do you mean by QOS ?
8. What is meant by classless IP addressing ?
9. What is the use of ICMP ?
10. What is SNMP used for ?



(4×10=40 Marks)

PART – B

(60 Marks)

MODULE – I

11. a) Briefly explain the TCP/IP protocol stack. 10
- b) What are the methods for flow control in data link layer ? 10

OR

P.T.O.



12. a) Describe any one MAN standard in detail. 8
b) What were the design issues for the layers in OSI model ? 12

MODULE – II

13. Explain the IEEE standards 802.3, 802.4 and 802.5. 20
OR
14. a) What do you mean by link state routing ? Explain. 10
b) Explain the congestion control algorithms used in network layer. 10

MODULE – III

15. a) How are connections managed by TCP ? 10
b) What are the various timers used by TCP ? Explain. 10
OR
16. a) What do you mean by BGP ? How does it work ? 10
b) What is the use of ARP and RARP ? How do they work ? 10

