



Reg. No. :

Name :

**Sixth Semester B.Tech. (Information Technology) Degree
Examination, April 2014
(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 are the functions of session layer in OSI reference model ?
2. What do you mean by ARQ ?
3. What are the services provided to network layer by data link layer ?
4. What is the use of BOOTP ?
5. What do you mean by gatekeeper ?
6. What are the wireless LAN standards ?
7. What are the differences between TCP and UDP ?
8. How is multicasting done ?
9. Write a brief note on IPv6 addressing.
10. What is meant by subnet mask ? (4×10=40 Marks)

**PART – B
MODULE – I**

11. Explain the various types of sliding window protocols used in data link layer. 20
- OR
12. a) Compare SLIP and PPP. 10
- b) Explain about HDLC formats. Where are they used ? 10

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MODULE – II

13. a) Derive an expression for through put of slotted ALOHA protocol. 12
b) What are the functions of LLC sublayer ? 8

OR

14. a) What is the count-to-infinity problem ? How is it solved ? 10
b) How is link state routing done ? 10

MODULE – III

15. a) Discuss about TCP congestion control. 10
b) What are the timers used by TCP ? Explain. 10

OR

16. a) How is the UDP header created ? 8
b) What is ICMP ? Explain. 12
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