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Reg. No.....

Name.....

**B.TECH. DEGREE EXAMINATION, MAY 2016**

**Eighth Semester**

Branch : Electrical and Electronics Engineering

EE 010 804 L02—COMPUTER NETWORKS (Elective III) [EE]

(New Scheme—2010 Admission onwards)

[Regular/Supplementary]

Time : Three Hours

Maximum : 100 Marks

**Part A**

*Answer all questions.*

*Each question carries 3 marks.*

1. Write short note on wireless transmission.
2. Briefly explain flow control.
3. What is Manchester encoding ?
4. Write short note on jitter.
5. What is HTTP ?

(5 × 3 = 15 marks)

**Part B**

*Answer all questions.*

*Each question carries 5 marks.*

6. Write note on LAN and MAN.
7. Explain the services provided by data link layer to the network layer.
8. Write note on dynamic channel allocation in LANs and MANs.
9. Explain hierarchical routing.
10. Write note on POP3.

(5 × 5 = 25 marks)

**Part C**

*Answer all questions.*

*Each question carries 12 marks.*

11. Explain OSI reference model.

Or

Turn over

12. Define computer networks. Which are the various types of network topologies in computer network? Also describe various advantages and disadvantages of each topology.

13. What is framing? Write note on different methods for framing.

*Or*

14. Write note on simplex stop-and-wait protocol.

15. Explain (i) Pure ALOHA ; (ii) Slotted ALOHA.

*Or*

16. Write note on collision free protocols.

17. Write note on IP addressing.

*Or*

18. Write note on (i) TCP ; (ii) UDP.

19. Explain (i) FTP ; (ii) TELNET ; (iii) WWW.

*Or*

20. Explain in detail on DNS.

(5 × 12 = 60 marks)