

**B.TECH. DEGREE EXAMINATION, MAY 2014****Seventh Semester**

Branch : Computer Science and Engineering

LAN TECHNOLOGY (Elective I) (R)

(Old Scheme – Prior to 2010 Admissions)

[Supplementary]



Time : Three Hours

Maximum : 100 Marks

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

1. Discuss the Topology used in LAN.
2. Discuss the difference between WAN and MAN.
3. What is meant by polling?
4. Explain ACRNET.
5. Explain 5-4-3 rule for connecting segments.
6. Explain Segment switching.
7. Explain the functions of peer to peer network.
8. Write note on OS/2 Warp Server.
9. Write note on printing queue.
10. Explain the issues in deciding Security level.

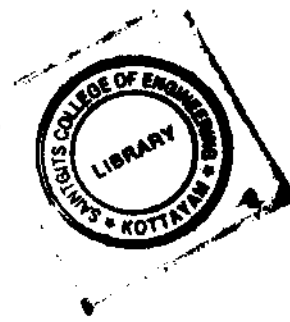
(10 × 4 = 40 marks)

**Part B***Answer all questions.**Each full question carries 12 marks.*

11. Explain LAN standards in detail.
- Or*
12. Discuss the models for communication.
  13. (a) Explain LAN protocol.  
(b) Write note on token passing.

(6 + 6 = 12 marks)

*Or***Turn over**



14. Briefly explain CSMA mechanism.
15. (a) Explain the principle of Hub.  
(b) Explain the types of Switch.

(6 + 6 = 12 marks)

Or

16. (a) Discuss NIC architecture.  
(b) Give an example for network card setup installation.

(6 + 6 = 12 marks)

17. (a) Write note on Point spooler.  
(b) Write a note on Multiple processing and Time sharing.

(6 + 6 = 12 marks)

Or

18. Explain how fault tolerance is achieved in peer to peer network.
19. Explain Logical security and Physical security.

Or

20. Explain the printing environment in management and security.

[5 × 12 = 60 marks]