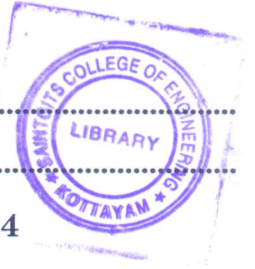


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Reg. No.....

Name.....



**B.TECH. DEGREE EXAMINATION, NOVEMBER 2014**

**Seventh Semester**

Branch : Computer Science and Engineering

LAN TECHNOLOGY (Elective-I) [R]

(Old Scheme—Prior to 2010 Admissions)

[Supplementary/Mercy Chance]

Time : Three Hours

Maximum : 100 Marks

**Part A**

*Answer all questions.*

*Each question carries 4 marks.*

1. Explain what is FDDI ?
2. How is a LAN different from a WAN ?
3. What is CSMA/CA ? Where is it commonly used ?
4. How is CSMA/CD different from CSMA/CA ?
5. What do you understand by combined speed ?
6. Differentiate between a hub and a switch.
7. Explain what is a print spooler ?
8. Explain what is multiprocessing.
9. Write notes on ARC NET.
10. What is a print queue ? Explain.

(10 × 4 = 40 marks)

**Part B**

*Answer all questions.*

*Each full question carries 12 marks.*

11. Explain the various LAN topologies in detail.

*Or*

12. (a) Explain ethernet in detail.

(6 marks)

- (b) Write notes on LLC.

(6 marks)

13. What is a token ? Explain the token passing mechanism in detail.

*Or*

Turn over

14. (a) What is the importance of protocols in LAN. (6 marks)
- (b) Explain any one LAN protocol. (6 marks)
15. Explain and compare port switching and segment switching.

*Or*

16. Explain what are :
- (i) Repeaters.
  - (ii) Routers.
  - (iii) Bridges.
17. Explain in detail how a peer-to-peer network operate.

*Or*

18. (a) List out some of the network operating systems and highlight their features. (6 marks)
- (b) Write notes on I/O optimization. (6 marks)
19. (a) What are groups ? How are they helpful in the context of security ? (6 marks)
- (b) Write notes on security levels. (6 marks)

*Or*

20. (a) What is a printer driver ? Why are they used ? (6 marks)
- (b) What is meant by logical security ? Explain. (6 marks)

[5 × 12 = 60 marks]

