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PaperCode–PCC302

Course:COMPUTER NETWORKS

Important Questions:
UNIT-1
1. Discuss about network topologies with their advantages and disadvantages.
2. Explain about guided media and unguided media of transmission
3. Explain about RS232 interfacing.
4. Discuss about Polar line coding schemes
5. Explain about OSI reference model and compare it with TCP/IP model.
6. Discuss about design issues of layering architecture

UNIT-2
7. Explain about Ethernet 802.3 protocol in detail
8. Explain about CRC and checksum in detail
9. Explain about error detection and correction with hamming code in detail
10. Discuss about sliding window protocol
11. Explain about Pure and slotted aloha protocols
12. What is Bridge in data link layer? and explain about types of bridges

UNIT-3
13. Explain about distance vector routing algorithm and link state routing algorithm
14. Give a note onsuper netting and subnetting in detail
15. Explain about ICMP and its different types of messages
16. Write a note on network layer services provided to transport layer
17. Explain about IPV4and IPV6 addressing in detail
18. Explain about class inter domain routing(CIDR)

UNIT-4
19. Give explanation about UDP header format with a neat diagram and give UDP uses.
20. Discuss about TCP connection establishment and termination process.
21. Explain TCP segment format with a neat diagram, what are different types of timers in tcp
22. What are the open loop congestion control techniques? Explain
23. Explain about leaky bucket algorithm in detail.
24. Explain about services of transport layer in detail

UNIT-5
25. Discuss about Primitive system calls alls
26. Explain about DNS, SMTP
27. Discuss about FTP
28. Describe the goals and services of application layer
29. Explain about advanced primitive system calls
30. Explain about HTTP