

Summary of topics for final Examination

1. Describe CSMA-CD protocols and their behavior
2. Give an overview of Ethernet technology.
3. Describe Internet protocol and the structure of Datagram
4. Describe how to interface an IP (this one not sure about missing some word)
5. Describe some usage of ICMP (ex . traceroute, MTU)
6. Describe UDP and TCP
7. How to achieve fairness in TCP
8. Describe routing algorithms and routing architecture (AS,..)
9. Describe distance vector routing and give an example of shortest path computation
10. Describe Link state routing and give an example of shortest path computation.
11. Given Border Gateway Protocol
12. Describe IPV6 in comparison to IPv4
13. Describe IP address management and DHCP
14. Describe name management (DNS)
15. Describe email protocol and their implementation
16. Describe the main cryptography tools used for confidentiality
17. Describe the main cryptography tools used for non-repudiation
18. Describe the HTTP protocols