

The Network Book Study Questions 141 I

Session One – Chapters 1-2, 4-5

Chapter 1

1. What are the chief advantages of using digitally recorded video? What are the disadvantages?
2. What is the most significant impact of the Internet on society?
3. What is the importance of land technology and how was related to the Internet?
4. Why does Dr. Comer believe that learning about the Internet difficult?
5. What problems had to be overcome when connecting several computers together?
6. Describe the similarities and differences between a web page and a website.
7. Compare the binary encoding the data on the Internet with Morse code.
8. What do modems do to detect and correct errors?
9. Why did the telephone companies turn to a digital medium?
10. Describe the differences between analog and digital signals.
11. What is a local area of network LAN?
12. What is a modem and how does it work?
13. Why did the telephone become the communications medium of choice in the 20th-century?
14. Describe the development of the telephone.
15. If e-mail over the Internet is free, what is electronic postage?

Session Two – Chapters 8-9, 11

1. What was the ARPANET?
2. Who was responsible for the development and growth of the Internet?
3. Why were educational institutions involved in a Department of Defense's development of the Internet?
4. How and why did the National Science Foundation become involved with the Internet?
5. What is meant by the communications infrastructure and why is it important to the Internet?
6. What is TCP? What does it do?
7. What is the difference between a LAN, a WAN and the Internet

8. What is IP? What does it do?

Session Three – Chapters 12-16

1. How does the Internet handle incompatibility of computer hardware?
2. What is an ISP?
3. What is an Internet address? What forms can it take?
4. What is a router and how does it work?
5. What impact does the last mile have on network communications over the Internet?
6. Describe the flow of packets over the Internet
7. How is TCP work?
8. What connections options are available to home and business users of the Internet?
9. What is a protocol? Why our protocol so important on the Internet?
10. What advantages does packet switching provide 2 networks?

Session Four – Chapters 17-19

1. What features of the Internet have made it so successful?
2. What is a domain name? How can you get one?
3. Describe the system for naming computers.
4. Describe distributed computing.
5. Are the differences between clients and servers on the Internet?
6. Why did TCP/IP win out over other networking protocols?
7. How are computer names translated into IP addresses?

Session Five – Chapters 22, 25

1. How does someone get a web page listed on a search engine website
2. What is FTP and how is it used over the Internet? What is its impact in significance?
3. What is the difference between ASCII and binary transfers?
4. When you look for a newsgroup recommended by a friend and cannot find it, what are the possible causes for your problem?
5. Describe how it Internet browser works. What features should it have?
6. What are aliases and how were they used?
7. What are newsgroups and how do they work?
8. How do search tools work?
9. What is meant by the term “real-time audio”? How was this accomplished over the Internet?

Session Six – Chapters 27-28

1. What is FTP and how is it used over the Internet? What is its impact in significance?
2. What is the difference between ASCII and binary transfers?
3. What is TELNET? What is its purpose? Describe how it works.