

Lesson 25 – Network Fundamentals Assignments

True/False

1. The biggest network is the Internet
2. E-mail always is private
3. A WAN covers a large geographical area
4. The best way to protect data is to effectively control access to it
5. Networks are classified according to speed

Multiple Choice

1. A telephone network is similar in make up to a _____ network.
 - a. Computer network
 - b. Local area network
 - c. Tiny area network
 - d. Metropolitan area network
2. A _____ server acts as an intermediary between a user and the Internet.
 - a. High-level
 - b. Proxy
 - c. Connected-level
 - d. Biometric
3. The two broad categories of network architecture are _____ and peer-to-peer.
 - a. Intranet/extranet
 - b. DSL
 - c. Client/server
 - d. Proxy/server
4. A(n) _____ can carry both data and voice.
 - a. SLD
 - b. Bridge
 - c. WAN
 - d. DSL
5. A _____ is a variation of the LAN that use no physical wires.
 - a. WLAN
 - b. PSTN
 - c. P2P
 - d. WiMAX

Fill in the Blanks

1. _____, which consists of special hardware and software, protect internal networks from external networks.
2. A(n) _____ converts analog signals to digital and vice versa.
3. A(n) _____ is a type of fiber-optic telephone line.
4. The _____ is a worldwide system composed of thousands of smaller networks.
5. In a client/server network, the _____ manages network resources.

Project 25-3

In recent times, schools have been criticized concerning the use of computers, especially in education at the primary and high school levels. Respond to the following questions:

1. Do you believe that computers should be used in elementary and high schools? Explain why or why not. (minimum one paragraph)
2. Should students have access to the Internet? Why or why not? (minimum one paragraph)
3. List at least two other options supporting computer access
4. List two other options against computer access (can do bullet points).

Critical Thinking

- Use the Internet and other resources to identify early security measures that were used to protect computers and computer data.
- Describe how these measures counteracted the intrusions made.
- Then, visit the Web sites of some companies that make computer security devices
- Compare these early security measures to today's current needs and practices. Write a report of your finding.
- May using any program to create report. You decide the length based on the info you find.

Job Skills

- Netiquette – a word made from combining network and etiquette – refers to conventions to follow when using networks, including network services such as e-mail, blogs, and forums.
- Because so much workplace communication occurs on a network, knowing the rules of netiquette helps you set and maintain a professional reputation at work.
- Use the Internet to research the current rules of netiquette, and then list at least five rules in a document.
- Submit the document to your instructor.