Quiz: Networking Basics

Question 1:

True or false: The TCP provides mechanisms to ensure that data is reliably delivered.

True

False

Question 2:

Which of the following is the fifth layer of the TCP/IP Five-layer network model?

Transport

Application

Data Link

Physica

Question 3:

Which layer in the Transmission Control Protocol/Internet Protocol (TCP/IP) model is responsible for defining a common way to interpret signals so network devices can communicate?

Application

Transport

Network

Data link

Question 4:

What type of cable communicates binary data by changing the voltage between two ranges?

Silver

Gold

Copper

Fiber

Question 5:

You have installed a device at the physical layer. All of the systems you connect to this device will talk to each other at the same time. What have you installed?

Client

Server

Router

Hub

Question 6:

Which device forwards data and operates at layer three of the Transmission Control Protocol/Internet Protocol (TCP/IP) model?

Router

Switch

Client

Hub

Question 7:

True or false: Most devices are purely servers or clients.

True

False

Question 8:

A Local Area Network (LAN) uses Category 6 cabling. An issue with a connection results in network link degradation, and only one device can communicate at a time, but information can still go in either direction. What is the connection operating at?

Simplex

Partial

Full Duplex

Half Duplex

Question 9:

Fill in the blank: There will almost always be some troubleshooting data available through_____.

Action LEDs

Stop LEDs

Wire lights

Port lights

Question 10:

Which layer abstracts away the need for any other layers to care about what hardware is in use?

Transport

Physical

Data Link

Network

Question 11:

What does the letter B represent in a Media Access Control (MAC) address?

10

11

15

9

Question 12:

Which section in an Ethernet frame contains the data from higher layers, such as Internet Protocol (IP) and the transport and application layers?

Payload

Frame Check Sequence

Preamble

EtherType