 Congratulations! You passed!

TO PASS: 80% or higher

Keep Learning

GRADE
100%

Connecting to the Internet

LATEST SUBMISSION GRADE
100%

1. Question

1 / 1 point

The rate at which a dial-up connection can send data across a telephone wire is known as a ____ rate.

- ☒ baud
- ☐ data
- ☐ transfer
- ☐ voice

 Correct

Great job! A baud rate is equivalent to bits per second.

2. Question

1 / 1 point

The more accurate name for a cable modem is a ____.

- ☐ POTS
- ☐ DSLAM
- ☒ CMTS
- ☐ ONT

 Correct

Yep! A CMTS is the proper name for a cable modem.

3. Question

1 / 1 point

ONT stands for ____.

- ☐ Optical Network Telephone
- ☐ Optional Network Traffic
- ☐ Optical Network Tether
- ☒ Optical Network Terminator

 Correct

Correct! An ONT sits between a fiber network and a more traditional copper one.

4. Question

1 / 1 point

A traditional wireless network involving access points that all have wired connections is known as a(n) ____.

- ☐ LAN
- ☒ WLAN
- ☐ WAN
- ☐ ad-hoc network

 Correct

Nice work! A WLAN is the term for a traditional wireless network.

5. Question

1 / 1 point

Another name for cellular networking is ____ networking.

- ☐ wide area
- ☐ organic
- ☐ computer
- ☒ mobile

 Correct

Awesome job! Depending on where you're from, one term or the other may be more common.

6. Question

1 / 1 point

Devices that connect to the Internet are often categorized into silos. Which silo controls network traffic?

- ☒ Switches/routers
- ☐ Computers/laptops
- ☐ Phones/tablets
- ☐ Servers/data centers

 Correct

Well done! Switches and routers are two of many devices that control network connectivity and traffic.

7. Question

1 / 1 point

Which wireless security standards uses a 128-bit key?

- ☒ WiFi Protected Access (WPA)
- ☐ WiFi Protected Access (WPA2)
- ☐ Wired Equivalent Privacy (WEP)
- ☐ Ad-hoc

 Correct

Woohoo! WPA replaced WEP. It uses a 128-bit key making it harder to crack.

8. Question

1 / 1 point

An Internet connection problem for customers is found to be outside a carrier's regional office. As a result, which area needs troubleshooting?

- ☐ Wide Area Network (WAN)
- ☒ Local loop
- ☐ Core network
- ☐ Demarcation point

 Correct

Awesome! A local loop is the portion of a network between a customer's demarcation point and the carrier or ISP facility.

9. Question

1 / 1 point

An 802.11 frame contains a number of fields. Which field describes the version of 802.11 that is being used?

- ☒ Frame control
- ☐ Duration
- ☐ Sequence control
- ☐ Address

 Correct

You nailed it! The frame control field contains a number of subfields to describe the frame and processing. This includes the version of 802.11 being used.

10. Question

1 / 1 point

Which configuration is considered to be a common way to increase security in a wireless network?

- ☐ Wired Equivalent Privacy (WEP)
- ☐ WiFi Protected Access (WPA)
- ☐ 5GHz Channel
- ☒ Media Access Control (MAC) filtering

 Correct

Great work! MAC filtering only allows certain devices to connect to a network.

11. Question

1 / 1 point

How many simultaneous phone conversations can a T1 line carry?

- ☐ 28
- ☒ 24
- ☐ 20
- ☐ 23

 Correct


Woohoo! A T1 is a dedicated communication line that can carry both data and voice.

12. Question

1 / 1 point


Which Fiber implementation is often referred to as Fiber To The Premises (FTTP)? Check all that apply.

- ☐ Fiber To The Neighborhood (FTTN)
- ☒ Fiber To The Building (FTTB)

 Correct

Awesome! FTTB is a setup where fiber technologies are used for data delivery to an individual building.

☒ Fiber To The Home (FTTH)

 Correct

You got it! With FTTH, fiber is actually run to each individual residence in a neighborhood.

☐ Fiber To The X (FTTX)

 Correct

Great, you got all the right answers.

13. Question

1 / 1 point

What does a wireless LAN (WLAN) act as to a wired network?

- ☐ Router
- ☐ Gateway
- ☐ Switch
- ☒ Bridge

 Correct

Great work! As a wireless network connects and gives access to a wired network, acting as a bridge between the two.

14. Question

1 / 1 point

Cellular network towers are configured in such a way so that they avoid what type of problem?

- ☐ Distance
- ☐ Speed
- ☒ Overlap
- ☐ Signal strength

 Correct

Woohoo! Cell towers are similar to wireless access points. Configuration of a tower includes avoiding overlap issues.

15. Question

1 / 1 point

Which technology is used as a demarcation point for fiber optics?

- ☒ Optical Network Terminator
- ☐ Point-to-point protocol
- ☐ Multiplexer
- ☐ Modem

 Correct

Right on! An optical network terminator is similar to a modem and acts as a demarc for a fiber optic line.

16. Question

1 / 1 point

Which value once represented a very popular modem baud rate that was used with dial-up connections?

- ☐ 110
- ☐ 1970
- ☒ 14400
- ☐ 1990

 Correct

Nice job! While not commonly used today, dial-up still exists. 14400 (14.4k) baud was a popular baud (speed) rate.