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**HW9**

# Date today: November 17, 2024

**CTEC402**

# Chapter 9

**Part1: Grade (5 points): Thinking Critically**

These questions are designed to prepare you for the critical thinking required for the A+ exams and may use content from other chapters and the web.

1. Which of these network connections would allow your smartphone to sync your photos to your online account? Choose all that apply.
   1. Wi-Fi
   2. Bluetooth
   3. GPS
   4. Cellular

Answers: A and D

1. While visiting a coffee shop, you see a poster advertising a concert for a music group you’d love to see. You notice there’s an NFC tag at the bottom with additional information about the concert. Which of the following devices would likely be able to read the NFC tag?
   1. GPS
   2. Smartphone
   3. E-reader
   4. VR headset

Answer: B

1. Which of the following mobile device OSs are open source? Choose all that apply.
   1. iOS
   2. Windows 10 Mobile
   3. Chrome OS
   4. Android

Answers: C and D

1. A smart speaker has no screen or keypad for changing its settings. Order three steps to configure the speaker.
   1. Connect the smartphone to the speaker’s Wi-Fi hotspot.
   2. Download the speaker’s app to a smartphone.
   3. Enter the password to the home Wi-Fi network.
   4. Enter the password to the speaker’s Wi-Fi hotspot.

Answers: B, then A, then C

1. Which Chromebook security feature ensures that malware can’t change the OS’s system files?
   1. Quick updates
   2. Power washing
   3. Sandboxing
   4. Verified boot

Answer: D

1. You work for a company that provides dozens of the same smartphone model for its employees. While troubleshooting one smartphone that won’t connect to the cellular network, you call the provider’s tech support number for some assistance. The technician asks for the device’s IMEI. What is she trying to determine?
   1. The OS version on the phone
   2. The specific device you’re calling about
   3. The SIM card installed in the device
   4. The IP address of the phone on the cellular provider’s data network

Answer: B

1. Which encryption protocols might be used to secure a VPN connection? Choose all that apply.
   1. L2TP
   2. SSH
   3. PPTP
   4. IPsec

Answers: A and D

1. You’re at the store to buy a car charger for your dad’s iPhone. There are several options with many different types of connectors. Which of these connectors should you choose?
   1. USB-C
   2. microUSB
   3. Lightning
   4. VGA

Answer: C

1. Place the following information in the correct fields in Figure 9-65 to add an email account to a smartphone using port 143 for the incoming mail server and port 25 for the outgoing mail server (not all information will be used):

imap-mail.sample.com p@ssw0rd

pop-mail.sample.com [mjones@sample.com](mailto:mjones@sample.com) smtp-mail.sample.com Mary Jones

Answers: Name: Mary Jones

Email Address: mjones@sample.com

Incoming Mail Server: imap-mail.sample.com

Outgoing Mail Server: smtp-mail.sample.com

Password: p@ssw0rd

1. Congratulations! You just bought a new-to-you car, and it comes with a media system that can sync with your iPhone. You’re concerned about data usage on your cell phone, so before you go pick up your car, you decide to download the necessary app at home while you’re connected to Wi-Fi. What app do you need to download?

Answer: Download the car manufacturer’s app (specific name depends on the car's brand).

1. You’re traveling across the country for a much-anticipated vacation. When you get there, your smartphone seems to be having trouble connecting to the local cellular network. You call the provider, and the technician suggests you update the PRL. Why might this help? Where would you find this option on your Android smartphone to perform the update?

Answer: Updating the PRL ensures the phone connects to the correct towers for optimal service. This option can be found under Settings > System Updates > Update PRL on most Android phones.

1. Your company has recently been hired to install a smart security system for a large office building. The system will include security cameras, voice-controlled lights, smart locks, and smart thermostats. Some of the security cameras will be installed outdoors throughout the parking lot. Which wireless IoT protocol should your company use for the installation?
   1. Wi-Fi because it is always encrypted
   2. Zigbee because it is always encrypted
   3. Z-Wave because it is the fastest wireless standard
   4. Bluetooth because it is easiest to configure

Answer: B

1. You’re trying to cast a video presentation from your tablet to a projector for a training session with some new hires. Although you tested it successfully yesterday, today the connection is not cooperating. You’ve closed apps you’re not using, and you’ve checked that the projector and the tablet are working otherwise. Of the following troubleshooting steps, which should you try first? Second?
   1. Restart the projector.
   2. Restart the tablet.
   3. Reinstall the presentation app.
   4. Verify that you have Internet access on the tablet.

Answers: A then B

1. An app that cost you $4.99 is missing from your Android. What is the best way to restore the missing app?

Answer:

* 1. Go to backup storage and perform a restore to recover the lost app.
  2. Purchase the app again.
  3. Go to the Play Store where you bought the app and install it again.
  4. Go to the Settings app and perform an application restore.

C

1. Suppose you and your friend want to exchange lecture notes taken during class. She has an iPhone and you have an iPad. What is the easiest way to do the exchange?
   1. Copy the files to an SD card and move the SD card to each device.
   2. Drop the files in OneDrive and share notebooks with each other.
   3. Send a text to each other with the files attached.
   4. Transfer the files through an AirDrop connection.

Answer: D

1. You have set up your Android phone using one Google account and your Android tablet using a second Google account. Now you would like to download the apps you purchased on your phone to your tablet. What is the best way to do this?
   1. Set up the Google account on your tablet that you used to buy apps on your phone and then download the apps.
   2. Buy the apps a second time from your tablet.
   3. Back up the apps on your phone to your SD card and then move the SD card to your tablet and transfer the apps.
   4. Call Google support and ask them to merge the two Google accounts into one.

Answer: A

1. Of the 10 devices shown earlier in Figure 9-46, how many of them are assigned IP addresses?
   1. Four: two phones, a web server, and a router
   2. Three: two phones and a web server
   3. Seven: a thermostat, a router, two phones, two bridges, and a web server
   4. All 10 are assigned IP addresses.

Answer: C

# Part2: Grade (10 points): All hands on project must show all steps by including screen shot from your own system

Hands-On Project 9-4

# Part3: Grade (5 points) : Remember you must show all steps

Real Problem 9-2

# REQUIREMENTS

- Any assignment received after the time of the class is considered late **(NO EXCUSES)** and is graded with 0