

## Exam Report: 9.6.8 Practice Questions

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## Overall Performance

Your Score: 64%



View results by: ☐ Objective Analysis ☒ Individual Responses

## Individual Responses

▼ Question 1: Correct

A landscaping company's employees receive payment for their services using a credit card reader that physically attaches to an Apple mobile device.

Which of the following connection types is being used?

- ➡ ☒ Lightning
- ☐ NFC
- ☐ IR
- ☐ Bluetooth

## Explanation

A lightning connection is used to connect an Apple mobile device to another device using a physical cable or by plugging the second device directly into the lightning connection. A credit card reader can be plugged into a lightning connection to make retail payments.

A credit card reader could be wirelessly connected using a Bluetooth connection, but doesn't require a physical connection.

A credit card reader could be wirelessly connected using an infrared (IR) connection, but doesn't require a physical connection.

Near-field communication (NFC) enables two electronic devices, one of which is typically a mobile device such as a smartphone, to establish communication by bringing them within 10 cm (3.9 in) of each other. It doesn't require a physical connection.

## References

TestOut PC Pro - 9.6 Mobile Device Networking  
[e\_mobile\_net\_pp6.exam.xml Q\_MOB\_DEVCON\_ACCESSORIES\_PORTS\_02]

▼ Question 2: Correct

While traveling in a car, a user who has an unlimited data plan on a smartphone opens a wireless connection to share the internet with other passengers.

Which of the following connection types is MOST likely being used?

- ➡ ☒ Hotspot
- ☐ Lightning
- ☐ NFC
- ☐ MicroUSB

### Explanation

A mobile device such as a smartphone can be set up as a wireless hotspot to allow others access to the internet.

A near-field communication (NFC) connection can only be made by bringing two devices within 10 cm (3.9 in) of each other. This would be impractical for connecting multiple devices.

A microUSB connection is used to connect two devices using a physical cable.

A lightning connection requires a physical cable.

### References

TestOut PC Pro - 9.6 Mobile Device Networking

[e\_mobile\_net\_pp6.exam.xml Q\_MOB\_DEVCON\_ACCESSORIES\_PORTS\_03]

#### ▼ Question 3: Correct

A technician is tasked with configuring a mobile device to connect securely to the company network when the device is used at off-site locations where only internet connectivity is available.

Which of the following should the technician configure?

☐ IMAP

➡ ☒ VPN

☐ Bluetooth

☐ Hotspot

### Explanation

A VPN (Virtual Private Network) creates an encrypted connection over a less secure network, such as the internet. Sometimes called a tunnel, a VPN allows users to access corporate applications and resources.

IMAP (Internet Message Access Protocol) is an email protocol that can be used to synchronize email between multiple email clients on multiple devices.

Bluetooth is a technology that wirelessly connects two devices in close proximity to each other. It is most often used to connect peripheral devices such as headphones, speakers, mice, and keyboards to a computing device.

A hotspot is created on a mobile phone to supply internet connectivity to multiple devices through the phone's cellular connection.

### References

TestOut PC Pro - 9.6 Mobile Device Networking

[e\_mobile\_net\_pp6.exam.xml Q\_MOB\_DEVCON\_MOBILE\_NETWORK\_03]

#### ▼ Question 4: Correct

You have recently issued new mobile phones to the sales team in your company. Each phone has the ability to store and transmit encrypted information for such things as making payments at a checkout counter.

Which of the following technologies is being used in these phones?

☐ VPN

☐ Infrared transmitters

☐ Bluetooth transmitters

➡ ☒ NFC chips

### Explanation

Near-field communications (NFC) chips are a wireless mobile technology that can be embedded in credit cards and smartphones for transmitting financial information when making payments. For example,

many point of sale devices can read information from NFC chips. NFC chips can also be used in passports to contain identity information.

## References

TestOut PC Pro - 9.6 Mobile Device Networking

[e\_mobile\_net\_pp6.exam.xml Q\_MOB\_DEVCON\_MOBILE\_NET\_02]

### ▼ Question 5: Correct

Mobile devices can connect to the internet and other devices using a variety of connection types.

Drag the connection type on the left to the appropriate description on the right.

A physical location where you can obtain wireless internet access using a WLAN.

✔ Hotspot

A connector used to emulate cryptographic smart card functionalities.

✔ NFC

Provides mobile devices with access to network resources and software applications on their home network when they connect using other wireless or wired networks.

✔ Mobile VPN

Allows you to share the internet connection of a phone with a laptop.

✔ Tethering

A wireless technology standard for exchanging data over short distances.

✔ Bluetooth

## Explanation

The following are a few of the mobile device connection types:

- Hotspot--a physical location where you can obtain wireless internet access using a wireless local area network (WLAN) with a router connected to an internet service provider.
- Tethering--a means for connecting one device to another. In the context of mobile phones and tablet computers, tethering allows sharing the internet connection of the phone or tablet with other devices like laptops.
- Mobile VPN--provides mobile devices with access to network resources and software applications on their home network when they connect using other wireless or wired networks.
- NFC--a type of connector used to emulate cryptographic smart card functionalities for RFID tags or memory cards.
- Bluetooth--a wireless technology standard for exchanging data over short distances from fixed and mobile devices and for building personal area networks (PANs). It can connect several devices, overcoming problems of synchronization.

## References

TestOut PC Pro - 9.6 Mobile Device Networking

[e\_mobile\_net\_pp6.exam.xml Q\_MOB\_DEVCON\_MOBILE\_NET\_05]

### ▼ Question 6: Correct

You just purchased an iPad tablet device. You want to synchronize your photos, music, email, and contacts from your Windows 10 PC to the device. How can you connect the device to the PC? (Select TWO. Each option is a complete solution.)

☐ Serial cable

☐ Ethernet wired connection

☐ Firewire cable

➡ ☒ USB cable

➡ ☒ Wi-Fi wireless connection

## Explanation

An iPad can be connected to a Windows 10 PC in three different ways:

- USB cable
- Wi-Fi wireless connection
- Bluetooth wireless connection

The iPad does not support wired Ethernet connections, serial connections, or Firewire connections.

## References

TestOut PC Pro - 9.6 Mobile Device Networking

[e\_mobile\_net\_pp6.exam.xml Q\_MOB\_SYNC\_MOBILE\_DEVICE\_06]

### ▼ Question 7: Incorrect

You have subscribed to a cloud-based service to synchronize data between your mobile device and your PC. Before allowing the data to be synchronized, this service uses a process where the cloud service and the client on the mobile device verify each other's security certificates.

What is this process called?

- ☐ Hotspot connection
- ☐ Tethering
- ☒ ~~Virtual private network~~

➡ ☐ Mutual authentication

## Explanation

Mutual authentication is a security feature in which a client process must prove its identity to a server, and the server must prove its identity to the client before any application traffic is sent over the client-to-server connection.

A hotspot is a physical location where you can obtain wireless internet access using a wireless local area network (WLAN) with a router connected to an internet service provider. Tethering is connecting one device to another. In the context of mobile phones and tablet computers, tethering allows sharing the internet connection of the phone or tablet with other devices like laptops. A mobile virtual private network (mobile VPN) provides mobile devices with access to network resources and software applications on their home network when they connect using other wireless or wired networks.

## References

TestOut PC Pro - 9.6 Mobile Device Networking

[e\_mobile\_net\_pp6.exam.xml Q\_MOB\_SYNC\_MOBILE\_NET\_04]

### ▼ Question 8: Correct

A company is considering providing smartphones to their employees and is investigating the interaction of the phones with iTunes, iCloud, Google Drive, Dropbox, and OneDrive.

Which of the following data synchronization methods is being considered?

- ☐ Synchronization connection types
- ➡ ☒ Synchronization to the cloud
- ☐ Synchronization to the desktop
- ☐ Mutual authentication for multiple services

## Explanation

While iTunes can also be used to synchronize data to the desktop, iTunes , iCloud, Google Drive,

Dropbox, and OneDrive can be used to synchronize mobile device data to the cloud.

While iTunes can also be used to synchronize data to the desktop, iCloud, Google Drive, Dropbox, and OneDrive only synchronize data to the cloud.

Mutual authentication for multiple services is way to permit a user to use one set of credentials to authentication to multiple applications and services.

There are several connection types refers to the different connections that support synchronization, including hardwired Ethernet, Wi-Fi, USB and Cellular. The best connections for synchronization will be high speed and reliable.

## References

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[e\_mobile\_net\_pp6.exam.xml Q\_MOB\_SYNC\_MOBILE\_SYNCHRONIZATION\_01]

### ▼ Question 9:

Incorrect

A technician is tasked to add a valid certificate to a mobile device so that encrypted emails can be opened.

Which of the following email protocols is being used?

- ➡ ☐ S/MIME
- ☐ POP3
- ☒ IMAP
- ☐ IMEI

## Explanation

S/MIME (Secure/Multipurpose Internet Mail Extensions) is a protocol used to encrypt emails. It allows the sender to digitally sign and encrypt emails. An encrypted email server will encrypt email communications between the server and an email client, but will store the email in an unencrypted form. A proper certificate must be used to encrypt and decrypt S/MIME emails.

POP3 (Post Office Protocol 3) is an email protocol that downloads and deletes emails from a mail server.

IMAP (Internet Message Access Protocol) is an email protocol that can be used to synchronize email between multiple email clients on multiple devices.

IMEI (International Mobile Equipment Identity) is an number a manufacturer assigns to a mobile device.

## References

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[e\_mobile\_net\_pp6.exam.xml Q\_MOB\_EMAILCON\_MOBILE\_NETWORK\_02]

### ▼ Question 10:

Incorrect

You currently use the Exchange email client on your desktop PC. You use it to connect to an email server provided by a service provider using the IMAP and SMTP protocols. You recently purchased an iPad, and you want to configure its Mail app to connect to your email server.

Which of the following BEST describes whether this task can be accomplished?

- ☒ ~~The Mail app doesn't support the IMAP protocol. You must use POP3 instead.~~
- ☐ The Mail app can only connect to email services such as Gmail or Yahoo! Mail.
- ➡ ☐ You can configure the Mail app on an iPad to connect to an email server using the IMAP and SMTP protocols.
- ☐ The Mail app requires IMAP and SMTP traffic be secured using SSL.

## Explanation

You can configure the Mail app on an iPad to connect to any email server reachable over the network using the IMAP or POP3 and SMTP protocols. It also supports server connections that are secured using

Secure Sockets Layer (SSL) security. It can also connect to mail accounts hosted by large service providers, such as Gmail.

## References

TestOut PC Pro - 9.6 Mobile Device Networking

[e\_mobile\_net\_pp6.exam.xml Q\_MOB\_EMAILCON\_MOBILE\_NET\_01]

### ▼ Question 11:

Incorrect

Which of the following protocols can be enabled so email is encrypted on a mobile device?

- ➡ ☐ SSL
- ☐ IMAP
- ☒ ~~POP3~~
- ☐ SMTP

## Explanation

SSL, or Secure Socket Layer, can be enabled so email is encrypted on a mobile device.

IMAP and POP3 are email retrieval protocols. SMTP is the protocol used to route email through the internet network.

## References

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[e\_mobile\_net\_pp6.exam.xml Q\_MOB\_EMAILCON\_MOBILE\_NET\_03]