Exam Report: 9.5.5 Practice Questions

Date: 3/25/2020 6:13:15 pm                              Candidate: Garsteck, Matthew
Time Spent: 4:36                                               Login: mGarsteck

## Overall Performance

Your Score: 43%

Passing Score: 80%

View results by:  ◯ Objective Analysis   ⦿ Individual Responses

## Individual Responses

▼ **Question 1:**          <u>Correct</u>

The human resources department wants to give gifts away at the company's summer party. They would like to have an assortment of fitness tracker wristbands, smartwatches, smart glasses, and virtual reality headsets. They have been trying to locate these on the internet, but have been unsuccessful.

Which of the following types of mobile devices should you tell them to search for?

- ◯ Phablets
- ➡ ⦿ Wearable devices
- ◯ Smart phones
- ◯ Tablets
- ◯ e-Readers

### Explanation

Wearable devices are a type of mobile device meant to be worn somewhere on the body. These devices range from being as simple as a fitness tracker wrist band to as complex as smart glasses or virtual reality headsets. Most wearable devices are designed to interface with another device. For example, a smartwatch by itself has a limited set of functionality; smartwatches are designed to connect to smartphones using Bluetooth. This connection unlocks additional functionality, such as reading texts or answering phones calls through the smartwatch.

### References

TestOut PC Pro - 9.5 Mobile Devices
[e_mobile_pp6.exam.xml Q_MOB_DEV_MOBILE_DEVICE_07]

▼ **Question 2:**          <u>Incorrect</u>

Which component within a tablet device measures acceleration horizontally and vertically at the same time?

- ◯ G-Sensor
- ➡ ◯ Gyroscope
- ⦿ ~~Accelerometer~~
- ◯ Attitude indicator

### Explanation

Within a tablet device, a gyroscope measures the vertical and horizontal orientation of the device.

An accelerometer is also called a g-sensor. It detects the physical movements of the tablet by measuring its linear acceleration in one dimension. An attitude indicator is a type of gyroscope used in airplanes.

## References

TestOut PC Pro - 9.5 Mobile Devices
[e_mobile_pp6.exam.xml Q_MOB_COM_MOBILE_DEVICE_01]

▼ **Question 3:**                    <u>Incorrect</u>

You are currently managing a few Apple iPad devices that run the iOS operating system.

Which of the following BEST describes the architecture used by this device?

    ◯ Intel64

    ◯ x86-64

    ◉ ~~x86~~

➡ ◯ ARM

## Explanation

Most tablet devices, such as the iPad, use the ARM architecture. ARM is more power-efficient and less expensive to manufacture than x86. Android also runs primarily on ARM.

The x86 architecture is used on some tablet PCs. It is compatible with standard x86 PC hardware and software, which allows the device to run operating systems such as Windows. Some newer versions of Android can also run on the x86 architecture.

x86-64 and Intel64 are architectures used in desktop and notebook PCs.

## References

TestOut PC Pro - 9.5 Mobile Devices
[e_mobile_pp6.exam.xml Q_MOB_COM_MOBILE_DEVICE_02]

▼ **Question 4:**                    <u>Correct</u>

Which feature allows a tablet to recognize multiple finger touches at the same time?

    ◯ Accelerometer

    ◯ Resistive touchscreen

    ◯ Gyroscope

➡ ◉ Multi-touch

## Explanation

Most tablet devices use a capacitive touchscreen interface, meaning that they require conductive material, such as your finger tip, for input. Capacitive touchscreens provide multi-touch capabilities, which allow the tablet to recognize multiple finger touches at the same time.

Gyroscopes and accelerometers are used to detect acceleration of the device. Most modern tablets do not use resistive touchscreens, which don't provide multi-touch capabilities.

## References

TestOut PC Pro - 9.5 Mobile Devices
[e_mobile_pp6.exam.xml Q_MOB_COM_MOBILE_DEVICE_05]

▼ **Question 5:**                    <u>Incorrect</u>

Match the mobile operating systems on the left with the descriptions on the right. Each mobile operating system may be used once, more than once, or not at all.

Closed source and second most popular mobile device operating system.

    ✔ iOS

Device manufacturers are countless.

✔ Android

Open source and most popular mobile device operating system.

✔ Android

Device manufacturers include Microsoft, Samsung, and HTC.

| ~~Android~~ | Windows |

Devices solely designed and developed by Apple.

✔ iOS

Closed source and third most popular mobile device operating system.

✔ Windows

## Explanation

The following mobile device operating systems are commonly available with the following feature highlights:

Android

- Android is open source and the leader in mobile device operating systems.
- Google Play Store has the most mobile apps.
- Android manufacturers are countless and include Samsung, Sony, HTC, LG, and Motorola.

iOS

- iOS is closed source and the second most popular mobile device operating system.
- iOS is a close competitor with Google in theAppStore mobile app count.
- iOS devices or iPhones are solely designed and developed by Apple.

Windows

- Windows is closed source and far behind Android and iOS in mobile device operating system popularity.
- Windows Store has the fewest mobile apps.
- Microsoft Mobiles (formerly Nokia) are the leading Windows Phone providers, though Samsung and HTC have launched Windows phone devices in the past.

Google is not a mobile device operating system; Google uses the Android operating system.

## References

TestOut PC Pro - 9.5 Mobile Devices
[e_mobile_pp6.exam.xml Q_MOB_COM_MOBILE_DEVICE_08-PB]

▼ **Question 6:**                        <u>Incorrect</u>

When a user rotates a mobile device, the operating system changes the screen orientation so that the display remains upright to the user.

Which of the following technologies is uses to detect this device movement? (Select TWO).

➡ ☐ Accelerometer

☐ GPS

➡ ☑ Gyroscope

☐ Geotracking

☐ Wi-Fi

## Explanation

There are two technologies that mobile operating systems use to detect device movement, accelerometers and gyroscopes.

GPS can detect lateral device movements, but not screen orientation movements.

Wi-Fi is used for network connections.

Geotracking determines the location of a mobile device by obtaining its GPS data.

## References

TestOut PC Pro - 9.5 Mobile Devices
[e_mobile_pp6.exam.xml Q_MOB_COM_MOBILE_OS_FEATURES_01]

▼ **Question 7:**                    <u>Correct</u>

Drivers for a small trucking company rely on a smartphone navigation application. When the smartphone loses internet connectivity, the maps don't update properly. Also, the company pays extra for a premium data service plan to support the application.

Which of the following mobile devices could replace the smartphone navigation application, could provide map coverage when internet connectivity is lost, and does not require a data plan?

- ◯ A GPS-enabled phablet

➡ ◉ A GPS-enabled personal navigation device
- ◯ Wearable smart glasses

- ◯ A GPS-enabled tablet

## Explanation

A GPS-enabled personal navigation device stores map information on the device instead of downloading it when needed. The device does not need internet connectivity to function.

Both tablets and phablets require constant internet connectivity to update map data.

Wearable smart glasses must be paired to a smartphone or other mobile device to provide navigation.

## References

TestOut PC Pro - 9.5 Mobile Devices
[e_mobile_pp6.exam.xml Q_MOB_COM_OTHER_MOBILE_03]