Exam Report: 7.4.5 Practice Questions
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Date: 4/2/25 8:15:34 pm   Candidate: Garsteck, Matthew
Time Spent: 2:00   Login: mGarsteck

Overall Performance

Your Score: 80%

Passing Score: 80%

View results by: ○ Objective Analysis   ● Individual Responses
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Individual Responses

▼ **Question 1:**   <u>Correct</u>

What are the two protocols used most often with IoT devices? (Select TWO.)

- ☐ Zerg

➡ ☑ Zigbee

- ☐ Zensys

➡ ☑ Z-Wave

- ☐ Zbot

Explanation

Zigbee and Z-Wave are two radio protocols many IoT devices work with because they are designed for low-data rate, low-power applications. They link all IoT devices to form a mesh network.

References

TestOut PC Pro - 7.4 Internet of Things
[e_iot_pp6.exam.xml Q_IOTFACTS_IOT_1]

▼ **Question 2:**   <u>Correct</u>

Which frequencies does Zigbee operate on?

- ○ 1.4 GHz, 90 MHz, and 500 MHz

- ○ 2.7 GHz, 400 MHz, and 865 MHz

➡ ● 2.4 GHz, 900 MHz, and 868 MHz

- ○ 2.4 GHz, 500 MHz, and 818 MHz

Explanation

Zigbee is a specification based on IEEE 802.15.4. The WPANs operate on 2.4 GHz, 900 MHz, and 868 MHz frequencies.

References

TestOut PC Pro - 7.4 Internet of Things
[e_iot_pp6.exam.xml Q_IOTFACTS_IOT_2]

▼ **Question 3:**   <u>Incorrect</u>

What is the maximum number of nodes Z-Wave allows on its mesh network?

- ○ 223

○ 221

○ 322

➡ ○ 232

Explanation

Z-Wave allows up to 232 nodes on the mesh network.

References

TestOut PC Pro - 7.4 Internet of Things
[e_iot_pp6.exam.xml Q_IOTFACTS_IOT_3]

▼ **Question 4:**   Correct

Match each smart device with its description.

Thermostat

✔ Learns from your habits and schedule, allows you to control the climate in your home remotely, shows you energy consumption in real-time, and adjusts itself depending on ambient conditions.

Switch

✔ Allows you to control hardwired lights, ceiling fans, fireplaces, small appliances, and garbage disposals.

Bulb

✔ Can change colors, track motion, stream audio over Bluetooth, and double as a connected camera, but it's only smart when turned on. It doesn't work when turned off.

Plug

✔ Easy solution for making small appliances, such as lamps, coffee makers, and toasters, smart.

Security camera

✔ Uses an RF transmitter. May include such features as motion detection, scheduled recording, remote viewing, and automatic cloud storage.

Door lock

✔ Uses a wireless protocol and a cryptographic key to execute the authorization process. It can also monitor access and send alerts related to the status of the device.

Speaker/digital assistant

✔ Uses voice recognition software and activates through a Wake Word or Hot Word.

References

TestOut PC Pro - 7.4 Internet of Things
[e_iot_pp6.exam.xml Q_IOTFACTS_IOT_4]

▼ **Question 5:**   Correct

What are two major concerns regarding IoT devices? (Select TWO.)

➡ ☑ Hacking

➡ ☑ Privacy

☐ Availability

☐ Short lifespan

☐ Accessibility

Explanation

Hackers and privacy are two majors concerns for IoT users. Because IoT devices are closely connected, all a hacker has to do is exploit one vulnerability to manipulate all the data, rendering it unusable. Also, companies that make and distribute consumer IoT devices could use those devices to obtain and sell users' personal data.

References

TestOut PC Pro - 7.4 Internet of Things
[e_iot_pp6.exam.xml Q_IOTFACTS_IOT_5]