

Started on	Wednesday, 10 March 2021, 11:40 AM
State	Finished
Completed on	Wednesday, 10 March 2021, 11:50 AM
Time taken	9 mins 24 secs
Marks	24.00/24.00
Grade	100.00 out of 100.00

Question **1**
Correct
Mark 2.00 out of 2.00
Flag question

Here is a link to the [PT Activity](#).

Open the PT Activity. Perform the tasks in the activity instructions and then answer the question.

A technician is trying to use the tablet to control the IoT device Digital Lamp. However, the device is not displayed on the home gateway. What is the problem?

Select one:

- ☐ The web service in the home gateway is off.
- ☒ The digital lamp is not registered to the home gateway. ✓
- ☐ The home gateway is not connected to the Internet.
- ☐ The digital lamp is configured with an incorrect IP address.

Refer to curriculum topic: 6.1.1

IoT devices registered on a registration server will allow remote control.

The correct answer is: The digital lamp is not registered to the home gateway.

Question **2**
Correct
Mark 2.00 out of 2.00
Flag question

Which two steps must be followed in order to view a working graph or chart of environmental changes? (Choose two.)

Select one or more:

- ☐ Choose the **Always on Top** box.
- ☒ Be in View Mode ✓
- ☐ Pause the current time.
- ☒ Select an environment element. ✓
- ☐ Select the **InterCity** container.

Refer to curriculum topic: 7.1.1

In order to see a working graph or chart of environmental changes, a user must be in View mode and then choose an environment element.

The correct answers are: Be in View Mode, Select an environment element.

Question **3**
Correct
Mark 2.00 out of 2.00
Flag question

How will a Packet Tracer environment be affected if a heater is added to a container named Branch Office and turned on?

Select one:

- ☐ The temperature inside Branch Office will increase along with all containers in Packet Tracer.
- ☒ The temperature inside Branch Office will increase along with any child containers that exist within Branch Office. ✓
- ☐ The temperature inside Branch Office will increase, and child containers within it will not be affected.
- ☐ The temperature inside the Branch Office container will increase along with the parent container.

Refer to curriculum topic: 7.1.1

For deploying a heater within a container in Packet Tracer, that container and any corresponding child containers will be affected by the heater.

The correct answer is: The temperature inside Branch Office will increase along with any child containers that exist within Branch Office.

Question **4**
Correct
Mark 2.00 out of 2.00
Flag question

What three programming languages are available within Packet Tracer to program a thing? (Choose three.)

Select one or more:

- ☒ JavaScript ✓
- ☐ IOS
- ☐ C++
- ☒ Python ✓
- ☒ Visual Blockly ✓
- ☐ Ruby

Refer to curriculum topic: 8.2.1

Packet Tracer provides programming language support for JavaScript, Python, and Visual Blockly.

The correct answers are: JavaScript, Python, Visual Blockly

Question 5

Correct

Mark 2.00 out of 2.00

Flag question

Which two devices are used to connect IoT devices to a home network?

Select one or more:

- ☐ Cisco 2960 switch
- ☐ Cisco 2911 router
- ☐ DNS server
- ☒ home gateway ✓
- ☒ registration server ✓

Refer to curriculum topic: 5.1.1

IoT devices such as an air conditioner, ceiling fan, coffee maker, and CO detector can connect to a network wired or wirelessly using a home gateway or registration server.

The correct answers are: home gateway, registration server

Question 6

Correct

Mark 2.00 out of 2.00

Flag question

What must be done to activate the Registration Server?

Select one:

- ☐ Nothing it is activated by default.
- ☒ Under the **Services** tab you need to turn on the **IoT Registration Server**. ✓
- ☐ Sign in to the server web browser and activate the server.
- ☐ Click on the **Registration** tab and then look for IoT button.

Refer to curriculum topic: 6.2.1

To activate the registration server, it needs to be turned on from the Services tab.

The correct answer is: Under the **Services** tab you need to turn on the **IoT Registration Server**.

Question 7

Correct

Mark 2.00 out of 2.00

Flag question

What are the differences between the registration server and the home gateway? (Choose three.)

Select one or more:

- ☒ There is no remote login for the home gateway. ✓
- ☐ The home gateway has more IoT items than the registration server.
- ☒ You need to create a username and password on the registration server. ✓
- ☒ You can login remotely via a web browser if you use the registration server. ✓
- ☐ The default username and password for the registration server is cisco.

Refer to curriculum topic: 6.2.1

The correct answers are: There is no remote login for the home gateway., You need to create a username and password on the registration server., You can login remotely via a web browser if you use the registration server.

Question 8

Correct

Mark 2.00 out of 2.00

Flag question

Within the Keyframe Graph workspace, what must be done to add a keyframe event to the environment? (Choose three.)

Select one or more:

- ☒ Select the environment element. ✓
- ☐ Click on the endpoint of the line.
- ☒ Double click on the environment element line. ✓
- ☒ Move the point on the line to a different value. ✓
- ☐ Select all environment elements.

Refer to curriculum topic: 7.1.1

The correct answers are: Select the environment element., Double click on the environment element line., Move the point on the line to a different value.

Question **9**
Correct
Mark 2.00 out of 2.00
Flag question

A network administrator is using Packet Tracer to mock up a network that includes IoT devices. What can the administrator do from the Physical tab of any IoT device?

Select one:

- ☐ Change the power supply.
- ☐ Change pin connections.
- ☐ Increase or decrease wattage.
- ☒ Turn the device on or off. ✓

Refer to curriculum topic: 5.1.1

Within Packet Tracer, the Physical tab allows access to available modules and power connections. This is where you could power the device off or on.

The correct answer is: Turn the device on or off.

Question **10**
Correct
Mark 2.00 out of 2.00
Flag question

Here is a link to the [PT Activity](#).

Open the PT Activity. Perform the tasks in the activity instructions and then answer the question.

A technician is trying to use the tablet to control the IoT device Digital Lamp. The technician tries to login to the registration server with username admin2 and password admin2. However, the access is not successful. What are two problems? (Choose two.)

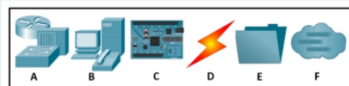
Select one or more:

- ☒ The registration service on the server is off. ✓
- ☐ The technician is using the wrong credential to login.
- ☐ The home gateway is not connected to the Internet.
- ☒ The digital lamp is using the wrong credential to connect to the registration server. ✓
- ☐ The device is registered to the home gateway, not the registration server.

Refer to curriculum topic: 6.2.1

When an IoT device registers on a registration server, it requires a correct credential, which is created on the server. By default, the IoT registration service on the server is off.

Question **11**
Correct
Mark 2.00 out of 2.00
Flag question



Refer to the exhibit. A student wants to create a smart home network in Packet Tracer. Which icon would the user select in order to select an IoT thing such as a water level monitor or a smart fan?

Select one:

- ☐ A
- ☒ B ✓
- ☐ C
- ☐ D
- ☐ E
- ☐ F

Refer to curriculum topic: 2.1.1

The second icon from the left, labeled B, is used to add end devices, including IoT devices, to the home network environment.

The correct answer is: B

Question **12**
Correct
Mark 2.00 out of 2.00
Flag question

What two methods can be used to access and modify an existing program that is running on an IoT device in Cisco Packet Tracer? (Choose two.)

Select one or more:

- ☒ Click on the device then select the **Programming** tab. ✓
- ☐ Go to the home gateway, then select the **Editor** tab prior to logging in.
- ☒ Go to the registration server and login. Then select the **Editor** tab. ✓
- ☐ Click on the device, then go to the **Thing Editor** tab.
- ☐ Click on the device and then click on the **Attributes** tab.

Refer to curriculum topic: 8.2.1

The program running on an existing IoT device can be modified by the following:

- Going to the registration server and logging in, then select the Editor tab.
- Clicking on the device, then selecting the Programming tab.

The correct answers are: Click on the device then select the **Programming** tab., Go to the registration server and login. Then select the **Editor** tab.