

Question 1

Correct

Mark 2.00 out of 2.00

Flag question

What allows digital devices to interconnect and transmit data?

Select one:

- ☐ a smart phone
- ☒ a network
- ☐ a global positioning sensor
- ☐ a sensor



Refer to curriculum topic: 1.1.1

A network connects people and devices through wired or wireless means.

The correct answer is: a network

Question 2

Correct

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Flag question

Which tool allows a user to simulate real networks?

Select one:

- ☒ Packet Tracer
- ☐ internet
- ☐ PAN
- ☐ artificial intelligence



Refer to curriculum topic: 1.1.1

Packet Tracer is a free network simulation and visualization tool.

The correct answer is: Packet Tracer

Question 3

What is the core component of Intent-Based Networking?

Show one page at a time

Finish review

Question 3

Correct

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What is the core component of Intent-Based Networking?

Select one:

- ☐ the internet
- ☒ artificial intelligence
- ☐ the cloud
- ☐ fog computing



Refer to curriculum topic: 1.2.2

Artificial intelligence will allow Intent-Based Networking to automatically configure network device across the network to fulfill network requirements based on the intent of those requirements.

The correct answer is: artificial intelligence

Question 4

Correct

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Flag question

What is comprised of millions of smart devices and sensors connected to the internet?

Select one:

- ☒ the Internet of Things
- ☐ the cloud
- ☐ the fog
- ☐ the data center



Refer to curriculum topic: 1.2.1

The Internet of Things (IoT) consists of millions of smart devices and sensors connected to the Internet. The devices and sensors in the IoT collect and share data for use by business, cities, governments, hospitals and individuals.

The correct answer is: the Internet of Things

Question **5**

Correct

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True or False?

The Internet of Things will connect inanimate objects to the network with intelligent sensors.

Select one:

- ☒ true
☐ false



Refer to curriculum topic: 1.2.1

The correct answer is: true

Question **6**

Correct

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Flag question

Which type of computing is located at the edge of a business or corporate network and that allows data from sensors to be preprocessed?

Select one:

- ☒ fog
☐ internet
☐ WAN
☐ wireless



Refer to curriculum topic: 1.1.2

Fog computing contains servers and intelligence that allows data from sensors to be preprocessed and available for immediate use and sent into the cloud for more in-depth analysis.

The correct answer is: fog

Question **7**

Correct

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True or False?

Once connected to the home gateway, smart devices can be controlled from a smartphone, tablet, or PC.

Select one:

- ☒ true



Question 8

Correct

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Flag question

What is needed in a smart home to connect sensors and smart devices to a network?

Select one:

- ☒ home gateway
- ☐ Bluetooth
- ☐ Packet Tracer
- ☐ internet connection



Refer to curriculum topic: 1.2.1

In a smart home, IoT devices connect to the network through a home gateway device.

The correct answer is: home gateway

Question 9

Correct

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True or False?

The Internet of Things can help organizations improve the efficiency and productivity of manufacturing processes and operations.

Select one:

- ☒ true
- ☐ false



Refer to curriculum topic: 1.2.1

The correct answer is: true

Question 10

Correct

Mark 2.00 out of 2.00

Which type of wireless network is used to connect devices within a city to create a metropolitan-area network (MAN)?

Select one:

- ☒ WiMAX



Question **11**

Correct

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🚩 Flag question

Which command is used to test network connectivity and provide a response to each packet received by the remote host?

Select one:

- ☐ **tracert**
- ☐ **text**
- ☒ **ping**
- ☐ **connect**



Refer to curriculum topic: 1.1.2

The **ping** and **tracert** commands are both used to test connectivity. The **ping** command is used to test connectivity from one network device to another network device. The **tracert** command is used to trace a route from the source network device to another network device.

The correct answer is: **ping**

Question **12**

Correct

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Which type of network is used to connect a company located in one area of a city to another location in a city far away?

Select one:

- ☒ **WAN**
- ☐ **MAN**
- ☐ **PAN**
- ☐ **LAN**



Refer to curriculum topic: 1.1.2

Wide-area networks (WANs) provide inter-LAN connectivity between sites.

The correct answer is: WAN

Question **13**

What is a sensor?

Question **13**

Correct

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🚩 Flag question

What is a sensor?

Select one:

- ☐ the foundation of the digitized world
- ☐ something that provides products and services to customers through an internet connection
- ☒ a device that detects or measures an event or physical property
- ☐ anything that stores data



Refer to curriculum topic: 1.1.1

Sensors detect or measure and send that data to be processed and analyzed. Sensors can detect motion, water levels, light levels, temperature, and color.

The correct answer is: a device that detects or measures an event or physical property

Question **14**

Correct

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🚩 Flag question

What information is conveyed by the SSID that is configured on an IoT device?

Select one:

- ☐ the default gateway
- ☐ the home gateway
- ☐ the registration server
- ☒ the wireless network



Refer to curriculum topic: 1.2.2

The SSID is used to identify the name of the wireless network which a device can join.

The correct answer is: the wireless network

The correct answer is: the wireless network

Question **15**

Correct

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2.00

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question

What type of device could allow a refrigerator to place a replacement order for an item contained within it?

Select one:

- ☐ generator
- ☐ digital network
- ☐ smart phone
- ☒ sensor



Refer to curriculum topic: 1.1.1

Sensors can be used to detect motion, water levels, light levels, temperature, and other measurements such as the weight of the milk carton within a smart refrigerator that could place a replacement order for the milk.

The correct answer is: sensor

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[◀ Chapter 1: Terms and Concepts
Practice](#)

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[Read Chapter 2: Everything Becomes
Programmable ▶](#)