

Submitted Jul 25 at 4:32am

Question 1

2 / 2 pts

Which tool allows a user to simulate real networks?



internet



Packet Tracer



PAN



artificial intelligence

Refer to curriculum topic: 1.1.1

Packet Tracer is a free network simulation and visualization tool.

Question 2

2 / 2 pts

True or False?

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



true



false

Refer to curriculum topic: 1.2.2

Question 3

2 / 2 pts

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



digital network



sensor



smart phone



generator

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.

Question 4

2 / 2 pts

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



connect



text



tracert



ping

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.

Question 5

2 / 2 pts

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



the cloud



the Internet of Things



the data center



the fog

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.

Question 6

2 / 2 pts

True or False?

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



false



true

Refer to curriculum topic: 1.2.1

Question 7

2 / 2 pts

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



ZigBee



WiMAX



Bluetooth



LTE

Refer to curriculum topic: 1.1.2

WiMAX uses the IEEE 802.15 standard to create a metropolitan-area network (MAN) within a city. Bluetooth and ZigBee are used to create a personal-area network (PAN) and LTE is used in a cellular network.

Question 8

2 / 2 pts

What allows digital devices to interconnect and transmit data?



a smart phone



a network



a sensor



a global positioning sensor

Refer to curriculum topic: 1.1.1

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

Question 9

2 / 2 pts

True or False?

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



false



true

Refer to curriculum topic: 1.2.1

Question 10

2 / 2 pts

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?



WAN



LAN



MAN



PAN

Refer to curriculum topic: 1.1.2
Wide-area networks (WANs) provide inter-LAN connectivity between sites.

Question 11

2 / 2 pts

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



internet connection



home gateway



Packet Tracer



Bluetooth

Refer to curriculum topic: 1.2.1

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

Question 12

2 / 2 pts

What is the core component of Intent-Based Networking?



artificial intelligence



the internet



fog computing



the cloud

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.

Question 13

2 / 2 pts

What is a sensor?



anything that stores data



a device that detects or measures an event or physical property



the foundation of the digitized world



something that provides products and services to customers through an internet connection

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.

Question 14

2 / 2 pts

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



WAN



wireless



internet



fog

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.

Question 15

2 / 2 pts

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



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.

This study resource was shared via CourseHero.com