

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	6 minutes	30 out of 30
Submitted Mar 19 at 6:59am			

Question 1

2 / 2 pts

What is the core component of Intent-Based Networking?



the cloud



fog computing



the internet



artificial intelligence

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 2

2 / 2 pts

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



the data center



the fog



the cloud



the Internet of Things

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 3

2 / 2 pts

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



home gateway



Packet Tracer



internet connection



Bluetooth

Refer to curriculum topic: 1.2.1

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

Question 4

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



fog



internet



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.

Question 5

2 / 2 pts

Which tool allows a user to simulate real networks?



Packet Tracer



PAN



internet



artificial intelligence

Refer to curriculum topic: 1.1.1

Packet Tracer is a free network simulation and visualization tool.

Question 6

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?



PAN



LAN



WAN



MAN

Refer to curriculum topic: 1.1.2

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

Question 7

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 8

2 / 2 pts

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



smart phone



generator



digital network



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.

Question 9

2 / 2 pts

What allows digital devices to interconnect and transmit data?



a global positioning sensor



a smart phone



a sensor



a network

Refer to curriculum topic: 1.1.1

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

Question 10

2 / 2 pts

What is a sensor?



the foundation of the digitized world



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



anything that stores data



a device that detects or measures an event or physical property

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 11

2 / 2 pts

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



ping



tracert



text



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.

Question 12

2 / 2 pts

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



Bluetooth



LTE



ZigBee



WiMAX

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 13

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.

Question 14

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 15

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

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