Chapter 1 Quiz

Due No due date **Points** 30 **Questions** 15 **Time Limit** None
Allowed Attempts Unlimited

Instructions

This quiz covers the content presented in **I2IoT 2.0 Chapter 1**. This quiz is designed for practice. You will be allowed multiple attempts and the grade does not appear in the gradebook.

There are multiple task types that may be available in this quiz. In some task types, partial credit scoring is allowed to foster learning. Please note that on tasks with multiple answers, points can be deducted for selecting incorrect options.

At the completion of the quiz, some items may display feedback. The feedback will reference the source of the content. Example: "Refer to curriculum topic: 1.2.3" - indicates that the source of the material for this task is located in chapter 1, section 2, topic 3.

Form: 35279

Take the Quiz Again

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	12 minutes	30 out of 30

Submitted Apr 20 at 11:06am

Question 1 — 2 / 2 pts

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

- the default gateway
- the wireless network

Correct!

- the registration server
- the home gateway

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 2

2 / 2 pts

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

Correct!

- WiMAX
- ZigBee
- 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 3

2 / 2 pts

True or False?
The Internet of Things will connect inanimate objects to the network with intelligent sensors.

- false
- true

Correct!

Refer to curriculum topic: 1.2.1

Question 4

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?

- LAN
- PAN
- MAN
- WAN

Correct!

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

Question 5

2 / 2 pts

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

- digital network
- smart phone
- sensor

Correct!

- 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 6

2 / 2 pts

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

- the cloud
- the data center
- the Internet of Things

Correct!

- 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 7

2 / 2 pts

What is the core component of Intent-Based Networking?

- the cloud
- artificial intelligence

Correct!

- fog computing
- the internet

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 8

2 / 2 pts

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

Correct!

- (●) **ping**
- ( ) **connect**
- ( ) **tracert**
- ( ) **text**

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 9

2 / 2 pts

Which tool allows a user to simulate real networks?

Correct!

- (●) Packet Tracer
- ( ) internet
- ( ) PAN
- ( ) artificial intelligence

Refer to curriculum topic: 1.1.1
Packet Tracer is a free network simulation and visualization tool.

Question 10

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
- fog
- internet

Correct!

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 11

2 / 2 pts

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

- Packet Tracer
- internet connection
- home gateway
- Bluetooth

Correct!

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

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

- false
- true

Correct!

Refer to curriculum topic: 1.2.1

Question 13

2 / 2 pts

What allows digital devices to interconnect and transmit data?

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

Correct!

Refer to curriculum topic: 1.1.1
A network connects people and devices through wired or wireless means.

Question 14

2 / 2 pts

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

- false
- true

Correct!

Refer to curriculum topic: 1.2.2

Question 15

2 / 2 pts

What is a sensor?

- 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

Correct!

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.