



QUIZ

Started on	Friday, 26 January 2024, 6:00 PM
State	Finished
Completed on	Friday, 26 January 2024, 6:23 PM
Time taken	22 mins 19 secs
Grade	30.00 out of 30.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

What allows digital devices to interconnect and transmit data?

- ☐ a. a global positioning sensor
- ☒ b. a network ✓
- ☐ c. a sensor
- ☐ d. a smartphone

Question 2

Correct

Mark 1.00 out of 1.00

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

- ☐ a. traceroute
- ☐ b. tracert
- ☐ c. text
- ☐ d. connect
- ☒ e. ping ✓

Question 3

Correct

Mark 1.00 out of 1.00

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

- ☐ a. BLE
- ☒ b. WiMAX ✓
- ☐ c. ZigBee
- ☐ d. Bluetooth
- ☐ e. LTE

Question 4

Correct

Mark 1.00 out of 1.00

A network of networks:

- ☐ a. WiMAX
- ☐ b. MAN
- ☒ c. Internet ✓
- ☐ d. Bluetooth
- ☐ e. Intranet

Question 5

Correct

Mark 1.00 out of 1.00

The technology that uses machine learning and advanced automation to control networks:

- ☒ a. Intent-Based Networking (IBN) ✓
- ☐ b. Artificial Intelligence
- ☐ c. MAN
- ☐ d. WAN
- ☐ e. PAN
- ☐ f. LAN

Question 6

Correct

Mark 1.00 out of 1.00

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

- ☐ a. the data center
- ☐ b. the cloud
- ☒ c. the Internet of Things ✓
- ☐ d. the fog

Question 7

Correct

Mark 1.00 out of 1.00

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

- ☒ a. Home gateway ✓
- ☐ b. Internet connection
- ☐ c. Packet Tracer
- ☐ d. Bluetooth

Question 8

Correct

Mark 1.00 out of 1.00

Servers and computer programs, which are located at the edge of a business or corporate network, that allow the local data to be processed for immediate use:

- ☐ a. Arduino platform
- ☐ b. quantum computing
- ☐ c. Android platform
- ☒ d. fog computing ✓
- ☐ e. cloud computing
- ☐ f. iOS platform

Question 9

Correct

Mark 1.00 out of 1.00

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

- ☐ a. digital network
- ☐ b. generator
- ☐ c. smartphone
- ☒ d. sensor ✓

Question 10

Correct

Mark 1.00 out of 1.00

A branch of computer science dealing with the simulation of intelligent behavior in computers which implies that smart devices can think on their own:

- ☐ a. quantum computing
- ☐ b. wireless
- ☒ c. artificial intelligence ✓
- ☐ d. parallel programming

Question 11

Correct

Mark 1.00 out of 1.00

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

Select one:

- ☒ True ✓
- ☐ False

Question 12

Correct

Mark 1.00 out of 1.00

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

- ☐ a. the default gateway
- ☐ b. the registration server
- ☒ c. the wireless network ✓
- ☐ d. the home gateway

Question 13

Correct

Mark 1.00 out of 1.00

Which tool allows a user to simulate real networks?

- ☐ a. PAN
- ☒ b. Packet Tracer ✓
- ☐ c. IP Scanner
- ☐ d. Intranet
- ☐ e. Artificial intelligence

Question 14

Correct

Mark 1.00 out of 1.00

What type of networks use electromagnetic waves instead of wires?

- ☐ a. Intranet
- ☐ b. Cloud
- ☒ c. Wireless ✓
- ☐ d. Internet
- ☐ e. Ethernet

Question 15

Correct

Mark 1.00 out of 1.00

Network simulation software developed by Cisco Network Academy:

- ☐ a. Visual Studio
- ☒ b. Packet Tracer ✓
- ☐ c. Arduino IDE
- ☐ d. Movie Maker
- ☐ e. Android Studio

Question 16

Correct

Mark 1.00 out of 1.00

The term used to describe the small networks where connected wireless devices are within personal reach:

- ☒ a. Personal-area network (PAN) ✓
- ☐ b. Local area network (LAN)
- ☐ c. Metropolitan area network (MAN)
- ☐ d. Wide area network (WAN)

Question 17

Correct

Mark 1.00 out of 1.00

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

- ☒ a. fog ✓
- ☐ b. Internet
- ☐ c. WAN
- ☐ d. wireless

Question 18

Correct

Mark 1.00 out of 1.00

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?

- ☐ a. LAN
- ☐ b. PAN
- ☒ c. WAN ✓
- ☐ d. MAN

Question 19

Correct

Mark 1.00 out of 1.00

What is the acronym for a small business network that might connect 3 PCs and 4 wireless devices?

- ☐ a. Fog
- ☐ b. PAN
- ☒ c. LAN ✓
- ☐ d. WAN
- ☐ e. Wireless

Question 20

Correct

Mark 1.00 out of 1.00

The connection of millions of smart devices and sensors connected to the Internet:

- ☐ a. PAN
- ☐ b. Intranet
- ☒ c. Internet of Things (IoT) ✓
- ☐ d. iBeacons
- ☐ e. LAN

Question 21

Correct

Mark 1.00 out of 1.00

What is the name of a collection of servers and data centers within the Internet that is used to store and access data anywhere, anytime, and on any device?

- ☒ a. Cloud ✓
- ☐ b. WAN
- ☐ c. Intranet
- ☐ d. Internet

Question 22

Correct

Mark 1.00 out of 1.00

What is a sensor?

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

Question 23

Correct

Mark 1.00 out of 1.00

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

Select one:

- ☒ True ✓
- ☐ False

Question 24

Correct

Mark 1.00 out of 1.00

The term used to describe a collection of LANs that provides inter-LAN and Internet connectivity for networks over a long distance:

- ☐ a. LAN
- ☐ b. Fog computing
- ☒ c. WAN ✓
- ☐ d. PAN

Question 25

Correct

Mark 1.00 out of 1.00

What technology allows wireless devices to connect to other devices within a distance of a person's arm?

- ☒ a. Bluetooth ✓
- ☐ b. WiFi
- ☐ c. WiMAX
- ☐ d. Fog computing

Question 26

Correct

Mark 1.00 out of 1.00

What is the core component of Intent-Based Networking?

- ☐ a. fog computing
- ☒ b. artificial intelligence ✓
- ☐ c. the cloud
- ☐ d. the Internet

Question 27

Correct

Mark 1.00 out of 1.00

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

Select one:

- ☒ True ✓
- ☐ False

Question 28

Correct

Mark 1.00 out of 1.00

A term that refers to the physical “edge” of a corporate network:

- ☐ a. the private cloud
- ☒ b. the edge ✓
- ☐ c. Ethernet
- ☐ d. WiFi

Question 29

Correct

Mark 1.00 out of 1.00

What are the advantages of IoT? One or more correct answers are possible, so make sure you tick all the right answers.

- ☒ a. Governments can monitor the environment ✓
- ☐ b. Retailers know everything that you are buying
- ☒ c. Retailers can provide loyalty bonuses for preferred customers ✓
- ☐ d. A network failure can be catastrophic
- ☒ e. Manufacturers can reduce downtime by predicting equipment maintenance requirements ✓
- ☐ f. Reliance on online shopping may cost jobs
- ☒ g. Cities can evaluate future transportation requirements ✓
- ☐ h. Individuals are receiving more "spam" emails
- ☐ i. Companies that create wearable devices know a lot of very personal information about users
- ☒ j. Individuals can reduce the costs for home energy and heating systems ✓

Question 30

Correct

Mark 1.00 out of 1.00

A device that acts as a local connection center to IoT smart devices:

- ☒ a. home gateway ✓
- ☐ b. switch
- ☐ c. micro-controller unit (MCU)
- ☐ d. sensor
- ☐ e. router