



QUIZ

Started on	Sunday, 18 February 2024, 12:26 AM
State	Finished
Completed on	Sunday, 18 February 2024, 12:43 AM
Time taken	16 mins 55 secs
Grade	30.00 out of 30.00 (100%)

**Question 1**

Correct

Mark 1.00 out of 1.00

**A network of networks:**

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

**Question 2**

Correct

Mark 1.00 out of 1.00

**Which challenge of big data storage is characterized by the need to make data accessible from anywhere at any time?**

- ☒ a. access ✓
- ☐ b. management
- ☐ c. analytics
- ☐ d. security

**Question 3**

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

**Question 4**

Correct

Mark 1.00 out of 1.00

**What is the process of discovering patterns and relationships in large data sets in order to convert raw data into meaningful information?**

- ☒ a. data mining ✓
- ☐ b. data formatting
- ☐ c. data selection
- ☐ d. data querying

**Question 5**

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

**Question 6**

Correct

Mark 1.00 out of 1.00

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

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

**Question 7**

Correct

Mark 1.00 out of 1.00

**What allows digital devices to interconnect and transmit data?**

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

**Question 8**

Correct

Mark 1.00 out of 1.00

**What type of data is being collected when an organization is using spreadsheets and forms for data input?**

- ☐ a. application data
- ☐ b. raw data
- ☐ c. unstructured data
- ☒ d. structured data ✓

**Question 9**

Correct

Mark 1.00 out of 1.00

**Which type of data can be used by a business to support managerial analysis tasks and organizational decision making?**

- ☐ a. transactional data
- ☐ b. saved data
- ☐ c. raw data
- ☒ d. analyzed data ✓

**Question 10**

Correct

Mark 1.00 out of 1.00

**A business is analyzing sales information as the sales data is being generated from the point-of-sale (POS) machines. What type of data is captured and processed as the events happen?**

- ☐ a. raw data
- ☐ b. saved data
- ☒ c. transactional data ✓
- ☐ d. analytical data

**Question 11**

Correct

Mark 1.00 out of 1.00

**What is the core component of Intent-Based Networking?**

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

**Question 12**

Correct

Mark 1.00 out of 1.00

**An organization is concerned with the amount of sensor data that is being generated locally, analyzed in the cloud, and returned for processing at the local site. Which solution will keep the data closer to the source for preprocessing?**

- ☐ a. data mining
- ☒ b. fog computing ✓
- ☐ c. distributed processing
- ☐ d. cloud computing

**Question 13**

Correct

Mark 1.00 out of 1.00

**Data is defined as big data if it is more than 1 petabyte.**

Select one:

- ☐ True
- ☒ False ✓

**Question 14**

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

**Question 15**

Correct

Mark 1.00 out of 1.00

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

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

**Question 16**

Correct

Mark 1.00 out of 1.00

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

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

**Question 17**

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

**Question 18**

Correct

Mark 1.00 out of 1.00

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

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

**Question 19**

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

**Question 20**

Correct

Mark 1.00 out of 1.00

**What is the acronym for the network type that allows a personal fitness monitor to connect a smartphone?**

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

**Question 21**

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. WAN ✓
- ☐ c. MAN
- ☐ d. PAN

**Question 22**

Correct

Mark 1.00 out of 1.00

**Structured data is easier to analyze and store than unstructured data.**

Select one:

- ☒ True ✓
- ☐ False

**Question 23**

Correct

Mark 1.00 out of 1.00

**What is the process of inspecting, cleaning, transforming, and modelling data to uncover useful information?**

- ☐ a. image processing
- ☐ b. data classification
- ☐ c. object detection
- ☒ d. data analysis ✓

**Question 24**

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

**Question 25**

Correct

Mark 1.00 out of 1.00

**Which attribute of big data involves an exponential data growth rate?**

- ☐ a. volume
- ☐ b. variety
- ☒ c. velocity ✓
- ☐ d. value

**Question 26**

Correct

Mark 1.00 out of 1.00

**What type of networks use electromagnetic waves instead of wires?**

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

**Question 27**

Correct

Mark 1.00 out of 1.00

**Distributed data processing involves large databases being centrally processed by powerful mainframe computers and stored in giant disk arrays.**

Select one:

- ☐ True
- ☒ False ✓



**Question 28**

Correct

Mark 1.00 out of 1.00

**Making data accessible to only authorized users addresses which data storage problem associated with big data?**

- ☐ a. access
- ☐ b. management
- ☐ c. redundancy
- ☒ d. security ✓

**Question 29**

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

**Question 30**

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