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Introduction to IT – WGU C182 - Practice Test - Includes Pre-Assessment and Module Questions Rated A

What is the definition of information technology (IT)?

- a. It is a system of dependent parts working separately to accomplish information goals.
- b. It is a system indirectly used to support and improve particular aspects of a department.
- c. It is the technology used to create data, configure servers, and construct buildings.
- d. It is the technology used to create, maintain, and make information accessible. ✓✓d. It is the technology used to create, maintain, and make information accessible.

Which IT position has the responsibility of working with routers and switches?

- a. Network administrator
- b. Systems administrator.
- c. Database administrator
- d. Website administrator ✓✓a. Network administrator.

In which generation were silicon chips first used in computers?

- a. First generation
- b. Second generation
- c. Third generation
- d. Fourth generation ✓✓c. Third generation.

Which low-level language corresponds one-to-one with assembly?

- a. Translator language
- b. Machine language
- c. Compiler language
- d. Programming language ✓✓b. Machine language

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WGU Introduction to IT Sample Questions (Q15-Q20):

NEW QUESTION # 15

A programmer needs to create a variable that holds the brand name for a product in an inventory. What is the name of the data type that should be used?

- A. Boolean
- B. Character
- C. Floating point
- **D. Character string**

Answer: D

Explanation:

A brand name is made up of multiple characters, so it should be stored as a character string. In Information Technology, a character string data type is used to store text values such as names, addresses, descriptions, and identifiers that consist of more than one character. Examples include Sony, Samsung, Dell, or Hewlett Packard. A character type would be limited to only one letter or symbol, which would not hold an entire brand name. Floating-point data types store numeric values with decimals, and Boolean data stores only two states such as true or false, so neither fits a text label like a brand name. Using a string type also allows the system to support searching, sorting, and matching operations for inventory reports and queries. In database design, this type is commonly implemented as VARCHAR or TEXT, depending on the expected length and usage. Therefore, the correct data type for storing a product brand name is character string.

NEW QUESTION # 16

What is the name of the wireless technology that specifically accommodates distances up to 300 feet?

- A. Wide area network WAN
- B. Near field communication NFC
- **C. Bluetooth**
- D. Wi-Fi

Answer: C

Explanation:

Bluetooth is the wireless technology commonly identified in IT fundamentals as supporting short-range communication up to around 300 feet in higher-power implementations. Bluetooth is designed for personal area networking, connecting devices such as headphones, keyboards, speakers, and smartphones with low power consumption and easy pairing. Different Bluetooth classes exist: some provide only a few meters of range, while higher-power versions can extend to roughly 100 meters, which is close to 300 feet, under good conditions. Wi-Fi typically supports larger local-area coverage and is used to connect devices to local networks and the internet. A wide area network is not a wireless technology standard; it is a type of network spanning large geographic areas. Near field communication is designed for extremely short distances, usually a few centimeters, and is used for contactless payments and quick device taps. Since the question asks for a wireless technology specifically accommodating distances up to 300 feet, Bluetooth best matches that description.

NEW QUESTION # 17

What is a characteristic of hot storage?

- A. It offers relatively infrequent access.
- B. It uses lower-performance equipment.
- **C. It typically uses innovative equipment.**
- D. It allows for a slow restoration of operations.

Answer: C

Explanation:

Hot storage, often discussed alongside hot sites in disaster recovery, refers to storage and recovery capabilities that are ready for rapid use with minimal delay. In IT disaster recovery terms, hot solutions emphasize high availability and quick restoration, which generally requires modern, high-performance, always-ready equipment and frequent data synchronization. Because hot storage is intended to support fast recovery time objectives, it is typically implemented using advanced storage systems, real-time replication, and automated failover technologies. The other options describe characteristics more aligned with colder approaches. Infrequent access and slow restoration are associated with cold storage or cold sites, where backups may be archived and recovery takes longer. Using lower-performance equipment also fits cold or warm recovery strategies, where cost savings are prioritized over immediate availability. Hot storage solutions are designed to minimize downtime and data loss, and this generally implies up-to-date, capable infrastructure rather than reduced performance. Therefore, among the options provided, the best characteristic of hot storage is that it typically uses innovative equipment.

NEW QUESTION # 18

Why are businesses beginning to use big data?

- A. To store enormous amounts of paper documents and electronic data in databases and data warehouses for future analysis
- B. To connect a myriad of devices to the Internet and allow these devices to logically interact with one another
- C. To collect large amounts of data from various sources, both external and internal, both paper and electronic
- **D. To integrate vast amounts of electronic data into analysis in order to gain insight for better decision making**

Answer: D

Explanation:

*Businesses are beginning to use big data to integrate vast amounts of electronic data into analysis in order to gain insight for better decision making.

*Explanation: Big data allows organizations to analyze large datasets to uncover patterns, trends, and correlations, leading to more informed decisions and strategic business moves.

* Therefore, the correct answer is A. To integrate vast amounts of electronic data into analysis in order to gain insight for better decision making.

NEW QUESTION # 19

What is the primary role of the database administrator?

- A. Operating system throughput and performance optimization
- B. Business system design and development
- **C. Internet security access control**
- D. DBMS installation, maintenance, performance analysis, and troubleshooting

Answer: C

Explanation:

The core responsibility of a database administrator (DBA) centers around managing and optimizing Database Management Systems (DBMS). This includes:

*Installation and Configuration: Setting up new database instances, applying relevant configurations, and ensuring they align with the organization's needs.

*Maintenance: Performing regular backups, security updates, and patch management to keep the databases secure and healthy.

*Performance Analysis: Monitoring database performance, identifying bottlenecks, and implementing optimizations to ensure efficient data retrieval and operations.

*Troubleshooting: Proactively addressing database errors, resolving operational issues, and ensuring data integrity.

NEW QUESTION # 20

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