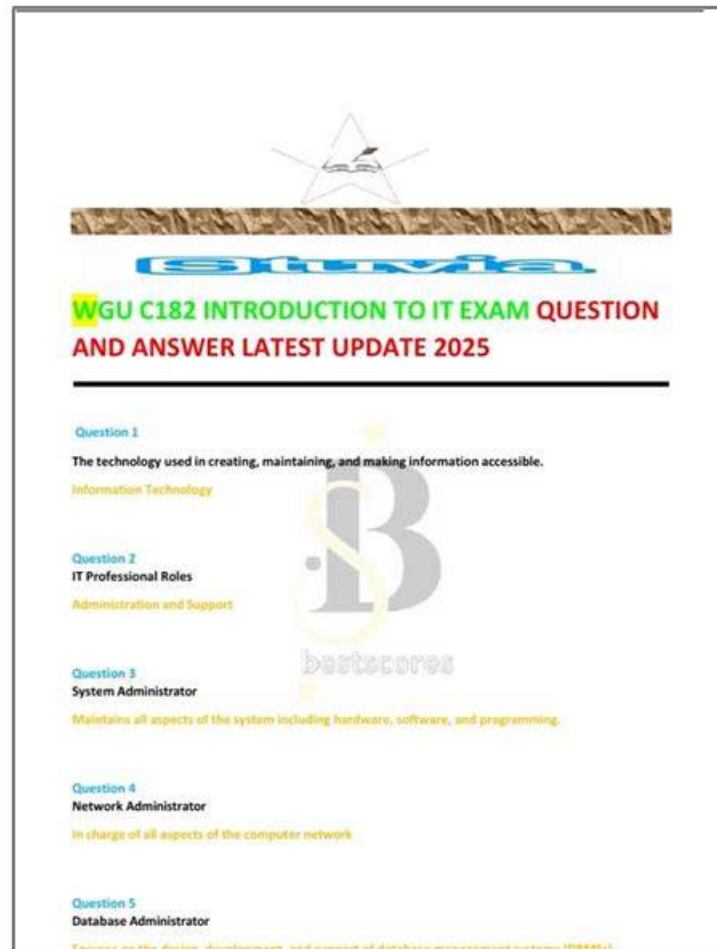


Introduction-to-IT Exam Question, Latest Introduction-to-IT Dumps Book



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WGU Introduction-to-IT Exam Syllabus Topics:

Section	Objectives
Topic 1: Operating Systems	- Windows, macOS, Linux fundamentals and system management
Topic 2: IT Career Roles	- Help desk, network administration, system analysis, and project management
Topic 3: Emerging Technologies	- Artificial Intelligence (AI) concepts - Impact of emerging technologies on business practices
Topic 4: Network Basics	- TCP/IP, network topologies, protocols, and connectivity concepts - Network structure, function, and security
Topic 5: Scripting and Programming Basics	- Role of scripts and programs in automating tasks - Variables, loops, conditionals, and functions

Topic 6: Business Technology Integration	- How IT supports organizational goals and operations
Topic 7: Areas of IT	- Describe key IT areas and their role in an organization - Explain how various components work together to support operations
Topic 8: Cybersecurity Fundamentals	- Threat identification, security measures, and data protection
Topic 9: Database Management	- Relational database structure, basic SQL queries, data integrity and security
Topic 10: Computer Hardware Components	- Processors, memory, storage devices, and input/output systems
Topic 11: Software Applications	- Productivity suites, databases, and enterprise software solutions

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WGU Introduction to IT Sample Questions (Q102-Q107):

NEW QUESTION # 102

What is the correct description of an algorithm?

- A. A clear set of instructions for executing a process or task
- B. The single best, correct method for executing a process
- C. A complex program that carries out several tasks
- D. A complicated process that runs without a clear end result

Answer: A

NEW QUESTION # 103

What is the component of the data-information-knowledge-wisdom DIKW hierarchy that focuses on application?

- A. Information
- B. Wisdom
- C. Data
- D. Knowledge

Answer: D

Explanation:

Knowledge is the DIKW component that focuses on application. In Information Technology, knowledge is often described as information that has been understood, combined with experience, rules, procedures, and context so that it can guide action. While information answers questions like who, what, where, and when, knowledge supports how to do something and how to solve a problem. For example, in infrastructure administration, information could be the list of server performance metrics, while knowledge includes understanding how to interpret those metrics and apply troubleshooting steps to restore normal operation.

Data is raw and unprocessed, and information is processed data that has meaning in context. Wisdom is the highest level and involves judgment about what should be done, including ethical and strategic considerations.

Knowledge sits between information and wisdom and is closely linked with practice, skills, and the ability to apply what is known to real tasks. Therefore, the DIKW level that focuses on application is knowledge.

NEW QUESTION # 104

Which part of a computer system performs operations on data from all applications run by the computer?

- A. Random-access memory RAM
- **B. Central processing unit CPU**
- C. Graphics processing unit GPU
- D. Read-only memory ROM

Answer: B

Explanation:

The central processing unit, or CPU, is the primary component responsible for performing operations on data for all applications running on a computer. In Information Technology fundamentals, the CPU is often called the brain of the computer because it executes program instructions, performs arithmetic and logical operations, and controls the overall flow of processing. When an application runs, its instructions are fetched from memory, decoded, and executed by the CPU using key internal units such as the control unit and the arithmetic logic unit. RAM supports the CPU by holding active programs and data temporarily for fast access, but RAM does not perform processing itself. ROM stores firmware instructions such as startup routines, but it is not used for general application processing. A GPU is specialized for highly parallel tasks like graphics rendering and certain compute workloads, but it is not the main processor for all applications. Therefore, the component that performs operations on data from all applications is the CPU.

NEW QUESTION # 105

What is a function of a proxy server?

- A. It responds to user queries to create, manipulate, and retrieve records from a database.
- B. It responds to HTTP requests and can execute scripts to generate dynamic pages.
- C. It stores files that any user of the network may wish to access.
- **D. It acts as a giant cache of web pages that anyone in the organization has recently retrieved.**

Answer: D

Explanation:

A proxy server serves several essential functions in network communication:

1.Security and Privacy:

oA proxy server acts as a gateway between the user's device and the internet. When a user sends a request (e.g., accessing a website), it first goes through the proxy server.

oThe proxy server hides the user's IP address, making it difficult for external entities to directly trace the user's location or identity.

oBy acting as an intermediary, the proxy server provides an additional layer of security, protecting the internal network from potential threats and attacks.

2.Content Filtering and Access Control:

oOrganizations often use proxy servers to control internet access for their employees. The proxy can filter requests based on predefined rules.

oFor example, an organization might block access to certain websites (e.g., social media, gambling sites) or restrict access during work hours.

oContent filtering helps maintain productivity and prevent unauthorized access to inappropriate or harmful content.

3.Caching and Acceleration:

oProxy servers can cache frequently accessed web pages, images, and files. When a user requests the same content again, the proxy serves it from its cache.

oCaching reduces the load on the internet connection and speeds up access to commonly visited sites.

oIt also helps save bandwidth by minimizing redundant data transfers.

4.Load Balancing:

oIn large networks, multiple proxy servers can distribute incoming requests to different web servers. This load balancing ensures efficient utilization of resources.

oBy evenly distributing traffic, proxy servers prevent any single server from becoming overwhelmed.

5.Anonymity and Geolocation Bypass:

oSome users use proxy servers to hide their real IP addresses. This anonymity can be useful for privacy reasons or to bypass geolocation restrictions.

oFor example, a user in one country can use a proxy server located in another country to access region- restricted content.

References

- 1.SoftwareLab: What is a Proxy Server? Types & Examples You Need to Know
- 2.Kinsta: What Is a Proxy Server Used For? (And How Does It Work?)
- 3.Fortinet: What is a Proxy Server? Definition, Uses & More
- 4.KnowledgeHut: What is Proxy Server? Types, Functions & Use Cases

5.Varonis: What is a Proxy Server and How Does it Work?

NEW QUESTION # 106

Why is business continuity planning essential?

- A. It ensures that the company will avoid asset loss.
- B. It allows for the quickest return to business operations.
- C. It allows for succession planning.
- D. It ensures that the company will be profitable.

Answer: B

NEW QUESTION # 107

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