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NEW QUESTION: 1

A user connects a wireless router to a home network and notices another wireless access point uses the same name. Which of the following should the user change?

- A. Router default password
- B. Wireless channel
- C. Frequency
- D. Service set identifier

Answer: D ([LEAVE A REPLY](#))

The Service Set Identifier (SSID) is the network name for a wireless LAN. When a user notices another wireless access point using the same SSID, changing the SSID to a unique name can help avoid confusion and ensure that devices connect to the correct network.

NEW QUESTION: 2

Which of the following makes a file readable only by select users who possess a key?

- A. Hidden folders
- B. File permissions
- C. Compression
- D. Encryption

Answer: ([SHOW ANSWER](#)**)**

Encryption makes a file readable only by users who have the decryption key, protecting data confidentiality.

Other options:

- *Hidden folders only conceal files but don't restrict access,
- *File permissions control access but do not encrypt data,
- *Compression reduces file size without restricting access.

NEW QUESTION: 3

Which of the following is most commonly used to connect devices to a switch?

- A. NFC
- B. RJ45
- C. USB-A
- D. DVI

Answer: B (LEAVE A REPLY)

The CompTIA Tech+ Study Guide identifies RJ45 as the standard Ethernet connector:

"An RJ45 connector is used to connect network cables to devices such as switches, routers, and computers. It's the most common connector for Ethernet networking." RJ45 connectors terminate Cat 5, 5e, and 6 cables for network communication.

Verified Reference:

* Chapter 2: Peripherals and Connectors - "Network Connectors: RJ45" (pp. 90-92).

NEW QUESTION: 4

A user downloads an application from a website and intends to modify the application's code. Which of the following license types does the user need for this task?

- A. Subscription-based
- B. Proprietary
- C. Open-source
- D. Perpetual

Answer: C (LEAVE A REPLY)

An open-source license allows users to access, modify, and redistribute the software's source code. It supports user customization and community contributions.

"Open-source software provides access to the source code, allowing users to inspect, modify, and enhance the software." - CompTIA ITF+ Licensing and Software Concepts

Correct answer: C

NEW QUESTION: 5

Which of the following concepts is represented by the sale of customer email addresses to potential product vendors?

- A. Data monetization
- B. Data correlation
- C. Data analytics
- D. Data capture

Answer: A (LEAVE A REPLY)

Data monetization refers to the process of generating revenue from data, such as selling customer email addresses to third parties like product vendors.

Other options:

*Data correlation links related data sets,

*Data analytics involves analyzing data for insights,

*Data capture is the process of collecting data.

NEW QUESTION: 6

A user's device is experiencing slow processing performance when multiple applications are running at the same time. Which of the following components is causing this issue?

- A.** Storage
- B.** Motherboard
- C.** NIC
- D.** RAM

Answer: D ([LEAVE A REPLY](#))

RAM (Random Access Memory) is responsible for temporarily storing data for running applications. When multiple applications run simultaneously and RAM is insufficient, the system slows down due to excessive paging or swapping.

NEW QUESTION: 7

Which of the following best describes a programming concept where instructions are executed repeatedly until a specific condition is met?

- A.** Exception handling
- B.** Branching
- C.** Sequencing
- D.** Looping

Answer: (SHOW ANSWER)

Looping is a programming concept where a set of instructions is executed repeatedly until a specified condition is satisfied.

NEW QUESTION: 8

Which of the following must be configured to install a printer on a network?

- A.** Physical address
- B.** IP address
- C.** MAC address
- D.** Access point

Answer: (SHOW ANSWER)

A network printer must have an IP address configured so that devices on the network can locate and communicate with it.

Other options:

*MAC address is used at a lower network level but isn't configured by users,

*Physical address is another term for MAC address,

*Access point provides wireless connectivity but is not required just to install a printer.

NEW QUESTION: 9

A user attempts to log in to a website and receives a prompt to update their password. Which of the following is this an example of?

- A. Password privacy
- B. Password history
- C. Password complexity
- D. Password expiration

Answer: D ([LEAVE A REPLY](#))

This scenario describes a policy where the system enforces password expiration, prompting users to update passwords after a defined period.

"Password expiration is a security policy that requires users to reset their passwords periodically-commonly

30, 60, or 90 days-to mitigate the risk of compromised credentials." - CompTIA ITF+ Objectives

- * Password privacy refers to keeping the password confidential.
- * Password history restricts reuse of old passwords.
- * Password complexity enforces character rules (e.g., uppercase, numbers, symbols).

Correct answer: D

NEW QUESTION: 10

Which of the following internet service types is delivered using an SFP connector?

- A. Fiber
- B. Cellular
- C. Cable
- D. DSL

Answer: ([SHOW ANSWER](#))

Fiber internet uses SFP (Small Form-factor Pluggable) connectors to interface optical fiber cables with network equipment.

NEW QUESTION: 11

A programmer creates a graphical representation of code components and the sequence for code execution. Which of the following has the programmer created?

- A. Pseudocode
- B. Looping
- C. Flowchart
- D. Branching

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 12

Which of the following can best protect a computer when an infected file has been downloaded?

- A. Anti-malware

- B. Firewall
- C. Patching
- D. Permissions

Answer: ([SHOW ANSWER](#))

Anti-malware software is specifically designed to detect, block, and remove malicious files, making it the best defense when an infected file has been downloaded.

NEW QUESTION: 13

An employee attempts to install software on a PC. A prompt to enter a username and password appears on-screen. The employee then receives an "access denied" message and cannot install the software. Which of the following types of access would allow the employee to accomplish this task?

- A. Least privilege
- B. Administrator
- C. Single factor
- D. User

Answer: ([SHOW ANSWER](#))

Installing software typically requires administrator-level access, which grants permission to make system changes.

Other options:

*Least privilege limits user rights,

*Single factor refers to authentication methods,

*User level usually does not have installation permissions.

NEW QUESTION: 14

A user downloads an application from a website and intends to modify the application's code.

Which of the following license types does the user need for this task?

- A. Subscription-based
- B. Proprietary
- C. Open-source
- D. Perpetual

Answer: C ([LEAVE A REPLY](#))

An open-source license allows users to access, modify, and redistribute the application's source code legally.

NEW QUESTION: 15

Which of the following programming concepts would best plan a linear sequence?

- A. Flowchart
- B. Object-oriented
- C. Branch

D. Boolean

Answer: A (LEAVE A REPLY)

A flowchart visually represents a linear sequence of steps, helping plan the order of execution in a program.

NEW QUESTION: 16

A company implements a tool to allow employees to conduct meetings over the internet. Which of the following tools did the company implement?

- A. Web browsing
- B. Document sharing
- C. Remote assistance
- D. Conferencing software

Answer: D (LEAVE A REPLY)

Conferencing software enables employees to conduct meetings over the internet, supporting audio, video, and screen sharing.

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NEW QUESTION: 17

A technician identifies the potential cause of a problem. Which of the following troubleshooting steps should the technician take next?

- A. Test the theory.
- B. Create a plan of action.
- C. Document the findings.
- D. Verify system functionality.

Answer: (SHOW ANSWER)

After identifying the potential cause of a problem, the next step is to test the theory to confirm if the suspected cause is correct before proceeding with a solution.

NEW QUESTION: 18

Users are required to install a certificate in order to access commercial web pages through a corporate proxy server. Which of the following Windows Control Panel applets would enable users to verify the needed certificate is installed?

- A. Network and Sharing Center

- B. System
- C. Programs and Features
- D. Internet Options

Answer: (SHOW ANSWER)

In Windows Control Panel, Internet Options is where you verify certificate installation:

Go to Internet Options → Content tab → Certificates

This opens the Certificate Manager where you can view/verify certificates in the Personal, Trusted Root Certification Authorities, and other certificate stores - exactly what's needed to confirm a proxy/CA certificate is installed for accessing HTTPS sites through a corporate proxy.

NEW QUESTION: 19

A user needs to illustrate the network. Which of the following is the best type of software for this task?

- A. Word processing
- B. Spreadsheet
- C. Conferencing
- D. Visual diagramming

Answer: D (LEAVE A REPLY)

Visual diagramming software is designed to create network diagrams, allowing users to represent devices, connections, and topology clearly.

NEW QUESTION: 20

A user wants to use virtualization on a local workstation. Which of the following best describes the technology that will be used?

- A. Guest OS
- B. Cloud
- C. SaaS
- D. Hypervisor

Answer: D (LEAVE A REPLY)

A hypervisor is the software or hardware platform that enables virtualization. It allows multiple operating systems (guest OSes) to run on a single physical machine.

"A hypervisor manages virtual machines on a single physical system. It enables the creation and management of guest OS environments." - CompTIA ITF+ Correct answer: D

NEW QUESTION: 21

Which of the following is the greatest benefit of using a cloud-hosted solution?

- A. Multiple users can have simultaneous access.
- B. The solution has the lowest cost.
- C. Data can be accessed from anywhere.
- D. The fastest data transfer rate can be achieved.

Answer: C (LEAVE A REPLY)

This is the defining, greatest benefit of cloud hosting - data and applications are hosted on remote servers accessible via the internet, meaning users can reach their data from any location, on any internet-connected device, without being tied to a specific local network or machine. This is the core value proposition that distinguishes cloud solutions from traditional on-premises hosting.

NEW QUESTION: 22

A user clicks a link to a web page to view a document, but nothing happens. Which of the following is most likely the issue?

- A. Scripting is disabled.
- B. The security settings are too high.
- C. Pop-up blockers are enabled.
- D. The web certificate is invalid.

Answer: A (LEAVE A REPLY)

If a user clicks a link to view a document on a web page and nothing happens, the most likely cause is that scripting is disabled. Many web pages use JavaScript or other scripting languages to execute functions such as opening documents, redirecting to other pages, or displaying dynamic content. If scripting is turned off in the browser's settings, these actions will not work.

NEW QUESTION: 23

A lab technician removes access from students who do not need to use a fileshare. Which of the following best describes this action?

- A. Least privilege model
- B. Non-repudiation
- C. Multifactor authentication
- D. Single sign-on

Answer: A (LEAVE A REPLY)

Removing unnecessary access to resources like fileshares follows the least privilege model, ensuring users only have the minimum permissions necessary for their tasks.

Other options:

- *Non-repudiation ensures actions cannot be denied,
- *Multifactor authentication involves multiple verification steps,
- *Single sign-on allows one login for multiple systems.

NEW QUESTION: 24

Which of the following is the best example of protection against social engineering?

- A. Connecting with people over social media
- B. Verifying the identity of a user via phone call
- C. Scanning for malware on the network

D. Keeping default passwords

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 25

Which of the following is the smallest storage unit?

A. Petabyte

B. Terabyte

C. Kilobyte

D. Megabyte

Answer: ([SHOW ANSWER](#))

The correct order of storage units from smallest to largest is:

Kilobyte (KB)

Megabyte (MB)

Terabyte (TB)

Petabyte (PB)

"A kilobyte is approximately 1,000 bytes. It is smaller than a megabyte (1 million bytes), terabyte (1 trillion bytes), or petabyte (1 quadrillion bytes)." - CompTIA ITF+ Reference

Hence, C. Kilobyte is the smallest unit listed.

NEW QUESTION: 26

A database administrator creates a new database and assigns the primary key. Which of the following database types has the administrator created?

A. Document

B. Key/value

C. Relational

D. Non-structured

Answer: ([SHOW ANSWER](#))

A relational database uses tables consisting of rows and columns where a primary key uniquely identifies each row (record). As stated in the CompTIA ITF+ FC0-U71 Official Study Guide:

"Relational databases store data in tables consisting of rows and columns. Each table has a primary key, which uniquely identifies each record."

"Document and key/value databases are types of NoSQL databases and do not use primary keys in the same structured tabular format." Non-structured databases (like object storage or big data repositories) do not enforce primary keys.

Reference:

-

NEW QUESTION: 27

A help desk technician is installing an application for a user who is in a different state. Which of the following best describes the software the technician is using for the installation?

- A. Collaboration
- B. Remote support
- C. Instant messaging
- D. Conferencing

Answer: B (LEAVE A REPLY)

Remote support software allows a technician to access and install applications on a user's computer from a different location.

NEW QUESTION: 28

Given the following data sequence:

1, 10, 2, 3, 4, 5, 6, 7, 8, 9

Which of the following data types are these values an example of?

- A. Float
- B. ASCII
- C. Boolean
- D. String

Answer: D (LEAVE A REPLY)

Although the values look numeric, the sequence "1, 10, 2..." suggests they are being treated as strings (text values), especially if they are not sorted numerically. In programming, strings are sequences of characters-even if those characters are digits. "String data type is used to store alphanumeric characters, including numeric characters represented as text rather than numbers." - CompTIA ITF+ Data Concepts Correct answer: D

NEW QUESTION: 29

Which of the following notational systems uses the numbers 0-9 and letters A-F?

- A. Octal
- B. Binary
- C. Decimal
- D. Hexadecimal

Answer: D (LEAVE A REPLY)

The CompTIA Tech+ Study Guide (Exam FC0-U71, 3rd Edition, 2025) defines hexadecimal as follows:

"The hexadecimal notational system, or base-16... In hex, the numbers 0 to 9 are used, just like in decimal.

However, the letters A to F are used to represent decimal numbers 10 through 15." This directly confirms that hexadecimal uses digits 0-9 and letters A-F.

Verified Reference:

* Chapter 6: Software Development Concepts - "Notational Systems" (pp. 357-359).

NEW QUESTION: 30

Which of the following network devices permits and restricts network traffic as its primary function?

- A. Router
- B. Switch
- C. Access point
- D. Firewall

Answer: D (LEAVE A REPLY)

A firewall's primary function is to permit or block network traffic based on defined security rules, controlling access to a network.

NEW QUESTION: 31

A developer creates the following code:

If the light is red, then stop

Else if the light is green, then go

Which of the following programming concepts is the developer using?

- A. Commenting
- B. Looping
- C. Object-oriented
- D. Branching

Answer: D (LEAVE A REPLY)

The code uses branching, which allows the program to make decisions and follow different paths based on conditions (e.g., "if... else if...").

Other options:

*Commenting adds notes to code,

*Looping repeats actions,

*Object-oriented programming involves organizing code into objects and classes.

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NEW QUESTION: 32

Given the following pseudocode:

```
10 READ Q,W
20 PRINT Q,W
30 GOTO 10
40 DATA 10,20,30,40,50,60,70,80,90,100
```

Which of the following best defines the type of data being used?

- A. Boolean
- B. Array
- C. Variable
- D. Function

Answer: ([SHOW ANSWER](#))

The DATA statement lists multiple values (10, 20, 30, etc.) which are stored sequentially and accessed in order, representing an array or list of data elements.

NEW QUESTION: 33

Which of the following refers to a human-readable program?

- A. Branch
- B. Sequence
- C. Object-oriented
- D. Pseudocode

Answer: ([SHOW ANSWER](#))

Pseudocode is a human-readable description of a program's logic, using plain language and structured formatting to outline steps without strict syntax.

NEW QUESTION: 34

Given the following pseudocode:

```
10 FOR Q=1 TO 100
20 PRINT Q
30 NEXT Q
40 EXIT
```

Which of the following best represents line 10?

- A. Attribute
- B. Sequence
- C. Branch
- D. Loop

Answer: D ([LEAVE A REPLY](#))

Line 10 (FOR Q=1 TO 100) initializes a loop that iterates from 1 to 100.

NEW QUESTION: 35

A web page is displaying outdated credentials when a user enters information in an online form. Which of the following actions should the user complete first to fix the issue?

- A. Change the user profile

- B. Turn off pop-up blockers
- C. Clear the cache
- D. Remove add-ons

Answer: [\(SHOW ANSWER\)](#)

Web browsers store cached data to improve loading speeds and remember form inputs. If outdated credentials are appearing, clearing the cache ensures that old stored data is removed and the page loads fresh content.

"Cached data can include stored form data, which may result in outdated information being auto-filled.

Clearing the browser cache resolves this." - CompTIA ITF+ Official Curriculum Correct answer: C

NEW QUESTION: 36

Which of the following is the most important consideration when opening a file on an OS GUI?

- A. File extension
- B. Default permissions
- C. Backup policy
- D. Data compression

Answer: [A \(LEAVE A REPLY\)](#)

The file extension determines which application the OS uses to open the file in a GUI environment. It's the key factor the OS checks to associate the file with the appropriate program (e.g., .docx with Word, .jpg with an image viewer). The other options are relevant in broader contexts but not immediately critical when simply opening a file.

NEW QUESTION: 37

A user attempts to log in to a website and receives a prompt to update their password. Which of the following is this an example of?

- A. Password privacy
- B. Password history
- C. Password complexity
- D. Password expiration

Answer: [D \(LEAVE A REPLY\)](#)

This scenario describes a policy where the system enforces password expiration, prompting users to update passwords after a defined period.

"Password expiration is a security policy that requires users to reset their passwords periodically-commonly 30, 60, or 90 days-to mitigate the risk of compromised credentials."

- CompTIA ITF+ Objectives Password privacy refers to keeping the password confidential. Password history restricts reuse of old passwords.

Password complexity enforces character rules (e.g., uppercase, numbers, symbols).

Correct answer: D

NEW QUESTION: 38

A systems administrator requires access to a user's laptop over a VPN for troubleshooting. Which of the following software types should the systems administrator use?

- A. Collaboration
- B. Productivity
- C. Web browsing
- D. Remote assistance

Answer: (SHOW ANSWER)

When a system administrator needs to troubleshoot a user's laptop remotely, especially over a VPN, they would use remote assistance software. This allows full or partial control over the target system for diagnostic and support tasks.

"Remote assistance software enables support personnel to remotely access and control another computer to perform diagnostics or provide help, often used in IT support scenarios." - CompTIA ITF+ Guide Correct answer: D

NEW QUESTION: 39

A user attempts to log in to a website and receives a prompt to update their password. Which of the following is this an example of?

- A. Password privacy
- B. Password history
- C. Password complexity
- D. Password expiration

Answer: D (LEAVE A REPLY)

A prompt to update a password during login typically indicates that the password has expired based on the system's policy.

Other options:

- *Password history prevents reuse of old passwords,
- *Password complexity sets rules for character requirements,
- *Password privacy involves keeping the password confidential.

NEW QUESTION: 40

Which of the following is reset when a workstation is turned off?

- A. BIOS
- B. NIC
- C. CPU
- D. RAM

Answer: D (LEAVE A REPLY)

RAM (Random Access Memory) is volatile memory, meaning it loses all stored data when power is turned off.

BIOS, NIC, and CPU retain their configurations or functions independently of power state.

NEW QUESTION: 41

A lab technician removes access from students who do not need to use a fileshare. Which of the following best describes this action?

- A. Least privilege model
- B. Non-repudiation
- C. Multifactor authentication
- D. Single sign-on

Answer: A (LEAVE A REPLY)

Removing unnecessary access to resources like fileshares follows the least privilege model, ensuring users only have the minimum permissions necessary for their tasks.

NEW QUESTION: 42

A technician is reviewing log files to track the number of times that a specific user has logged on to the networks. Which of the following security concepts is being used?

- A. Accounting
- B. Authorization
- C. Authentication
- D. Non-repudiation

Answer: A (LEAVE A REPLY)

Accounting refers to the process of tracking user activities, such as logon attempts and resource access. Reviewing log files to count logins is a clear example of this concept.

NEW QUESTION: 43

Which of the following would be the most cost-effective method to increase availability?

- A. Redundant equipment
- B. Disaster recovery site
- C. Continuity plan
- D. Scheduled maintenance

Answer: C (LEAVE A REPLY)

Continuity plan is a document that outlines the procedures and resources needed to restore normal operations after a disruption. This can improve availability by ensuring that the organization has a clear and consistent plan to follow in case of an emergency, but it also requires time and effort to develop, test, and update the plan.

NEW QUESTION: 44

Which of the following units of storage would be used to measure the amount of RAM on a desktop computer?

- A. TB
- B. GB
- C. MB

D. KB

Answer: B (LEAVE A REPLY)

RAM (Random Access Memory) on a desktop computer is typically measured in gigabytes (GB).

RAM is a critical component of a computer's performance, as it temporarily stores data that the CPU uses for processing tasks. The use of gigabytes (GB) as a unit of measurement for RAM has become standard as modern computing demands have increased. RAM sizes generally range from 4 GB to 32 GB or more in typical desktop computers, depending on the system's requirements.

NEW QUESTION: 45

A user wants to access books and does not need printed, physical copies. The solution should be portable and lightweight. Which of the following is the best solution?

- A. E-reader
- B. Servers
- C. External drive
- D. Workstation

Answer: A (LEAVE A REPLY)

An e-reader is portable, lightweight, and designed specifically for reading digital books, making it the best solution for accessing books without physical copies.

Other options:

*Servers and workstations are not portable devices,

*External drives store data but are not designed for reading books directly.

NEW QUESTION: 46

Which of the following can be used to input commands for a computer to execute?

- A. Services
- B. Attributes
- C. Process
- D. Console

Answer: (SHOW ANSWER)

A console or command-line interface (CLI) allows users to input text-based commands that the computer can execute.

"The console (or command prompt or terminal) allows direct command input to control an operating system or application without using a graphical interface." - CompTIA ITF+ Guide

* Services are background processes.

* Attributes define properties of objects or elements.

* Processes are executing programs but are not used for inputting commands.

Correct answer: D

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NEW QUESTION: 47

Which of the following does a diamond represent in a flowchart?

- A. Start
- B. Decision
- C. Processing
- D. Stop

Answer: B (LEAVE A REPLY)

In flowcharts, a diamond represents a decision point - a place where the program branches based on a yes/no or true/false condition.

"A diamond shape in a flowchart is used to depict a decision, indicating that the flow can take different paths based on a condition." - CompTIA ITF+ Programming Concepts

Correct answer: B

NEW QUESTION: 48

Which of the following could be a letter, number, or symbol?

- A. String
- B. Boolean
- C. Char
- D. Integer

Answer: C (LEAVE A REPLY)

A char (character) represents a single letter, number, or symbol. It differs from a string, which is a sequence of characters.

"The char data type stores a single alphanumeric character or symbol." - CompTIA ITF+ Programming Fundamentals Correct answer: C

NEW QUESTION: 49

Which of the following data types would be best for storing data representing a phone number?

- A. Integer
- B. Float
- C. String
- D. Char

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 50

Which of the following is an example of PII? (Select two).

- A. Full name
- B. Date of birth
- C. Employment status
- D. School attended
- E. Social media username
- F. City of residence

Answer: A,B ([LEAVE A REPLY](#))

Personally Identifiable Information (PII) refers to data that can be used to identify, contact, or locate a single person, or to identify an individual in context. A full name and date of birth are classic examples of PII because they can directly identify a person. Other options listed may relate to a person's life but do not specifically and directly identify an individual in most contexts.

NEW QUESTION: 51

A company is looking at locations for a new datacenter. The Chief Executive Officer (CEO) has stated that the new datacenter should be at least 500mi (805km) from the existing datacenter so one natural disaster will be unlikely to impact both datacenters. Which of the following is this best an example of?

- A. Confidentiality concerns
- B. Integrity concerns
- C. Replication concerns
- D. Availability concerns

Answer: ([SHOW ANSWER](#))

This scenario represents availability concerns. The CEO's decision to place the new data center

500 miles from the existing one is intended to ensure that both datacenters remain operational in case of a natural disaster. Ensuring data availability means that systems and information remain accessible, even in the event of a disaster, by having geographically separated redundancy.

NEW QUESTION: 52

Which of the following best describes a group of computers that are in close proximity to each other on the same network?

- A. MAC
- B. Peer-to-peer
- C. LAN
- D. Client/server

Answer: C (LEAVE A REPLY)

A Local Area Network (LAN) is a group of computers located in close proximity (such as an office or building) connected on the same network.

NEW QUESTION: 53

Which of the following best describes a group of computers that are in close proximity to each other on the same network?

- A. MAC
- B. Peer-to-peer
- C. LAN
- D. Client/server

Answer: C (LEAVE A REPLY)

A Local Area Network (LAN) is a group of computers located in close proximity (such as an office or building) connected on the same network.

Other options:

- *MAC refers to a hardware address,
- *Peer-to-peer describes a network model without centralized servers,
- *Client/server describes a network model with centralized servers serving clients.

NEW QUESTION: 54

A user wants to download music from a computer to a smartphone. Which of the following cables should the user use to transfer the files?

- A. USB-C
- B. VGA
- C. Thunderbolt
- D. NFC

Answer: A (LEAVE A REPLY)

USB-C is commonly used for both charging and data transfer between modern computers and smartphones. It supports high-speed data transmission and is a standard port on most new smartphones.

"USB-C cables support power delivery and high-speed data transfer, and are commonly used to connect smartphones to computers." - CompTIA ITF+ Guide

- * VGA is for video output.
- * Thunderbolt is high-speed, but typically used with Apple or specialized hardware.
- * NFC is a wireless protocol, not a cable.

Correct answer: A

NEW QUESTION: 55

A user is logged in but unable to access a shared folder on the network. Which of the following security concepts is in place?

- A. Authentication

- B. Authorization
- C. Accounting
- D. Non-repudiation

Answer: (SHOW ANSWER)

This scenario describes a situation where a user has already successfully logged into the system (i.e., has been authenticated) but cannot access a particular network resource (the shared folder). This falls under the concept of authorization, which determines what actions or resources a user is permitted to access after authentication.

"Authorization is the process of granting or denying access to network resources once the user has been authenticated." - CompTIA ITF+ Official Study Guide

- * Authentication verifies the identity of the user (e.g., username and password).
- * Authorization controls access rights (e.g., shared folders, files).
- * Accounting tracks user activity (e.g., audit logs).
- * Non-repudiation ensures actions or transactions cannot be denied later.

Therefore, the correct answer is B: Authorization.

NEW QUESTION: 56

Which of the following features of an OS prioritizes a program's use of resources?

- A. Application management
- B. Process management
- C. Access management
- D. Device management

Answer: (SHOW ANSWER)

Process management is the feature of an operating system that prioritizes and allocates resources (like CPU and memory) to running programs, ensuring efficient execution and multitasking.

NEW QUESTION: 57

A user's device is experiencing slow processing performance when multiple applications are running at the same time. Which of the following components is causing this issue?

- A. Storage
- B. Motherboard
- C. NIC
- D. RAM

Answer: D (LEAVE A REPLY)

RAM (Random Access Memory) is responsible for temporarily storing data for running applications. When multiple applications run simultaneously and RAM is insufficient, the system slows down due to excessive paging or swapping.

Other options:

- *Storage affects data retrieval speed but less directly impacts multitasking performance,
- *Motherboard connects components but isn't usually the cause of slow processing itself,

*NIC handles network connections, unrelated to processing speed.

NEW QUESTION: 58

Which of the following is an input device?

- A. Scanner
- B. Printer
- C. Speaker
- D. Motherboard

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 59

Which of the following is used to terminate a Cat 6 cable to an RJ45 connector?

- A. Crimper
- B. Cable tester
- C. Punchdown
- D. Wire cutter

Answer: A ([LEAVE A REPLY](#))

According to the CompTIA Tech+ Study Guide (Exam FC0-U71, 3rd Edition, 2025):

"A crimper is used to attach modular connectors, such as RJ45 or RJ11, to network or phone cables. The crimper pushes the metal contacts into the wires, securing them in place." Punchdown tools, by contrast, are used for patch panels or keystone jacks, not RJ45 ends.

Verified Reference:

* Chapter 2: Peripherals and Connectors - "Networking Tools: Crimpers, Punchdown Tools, Cable Testers" (pp. 106-108).

NEW QUESTION: 60

Which of the following refers to a human-readable program?

- A. Branch
- B. Sequence
- C. Object-oriented
- D. Pseudocode

Answer: ([SHOW ANSWER](#)**)**

Pseudocode represents logic written in plain, human-readable language that resembles programming structure but isn't actual code:

"Pseudocode allows programmers to design algorithms using readable statements before translating them into actual code." Branch and sequence refer to control flow structures, and object-oriented refers to a programming paradigm.

NEW QUESTION: 61

Given the following pseudocode:

```
10 INPUT Q
20 PRINT Q
30 GOTO 10
```

Which of the following data types does Q represent?

- A. Constant
- B. Function
- C. Array
- D. Variable

Answer: D (LEAVE A REPLY)

The correct answer is D. Variable. In the pseudocode, Q receives input from the user and then prints that input. Since the value of Q can change each time the program loops back to line 10, Q is a variable. It is not a constant because constants do not change. It is not a function because it is not a reusable block of code. It is not an array because it does not represent a list of values.

Exact Extract/Reference: The CompTIA Tech+ Study Guide explains that a "constant" is a predefined number that does not change, while "a variable" means the value can change. It also states that variables can change throughout a program based on input.

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NEW QUESTION: 62

A user is configuring a server OS. Which of the following should the user do after setting up the system?

- A. Change the default usernames and passwords.
- B. Synchronize the administrative log-ins with other servers on the domain.
- C. Disable the administrator password.
- D. Clear the password complexity database.

Answer: (SHOW ANSWER)

NEW QUESTION: 63

Which of the following encryption types protects data at rest?

- A. File-level
- B. VPN
- C. HTTPS

D. Plaintext

Answer: A (LEAVE A REPLY)

File-level encryption protects data at rest by encrypting files stored on a disk or drive, ensuring that data is secure even when not actively being transmitted.

NEW QUESTION: 64

A group wants to store data while collaborating on a project. Which of the following is the best option to enable high availability of the data?

- A. Cloud storage
- B. External hard drive
- C. Flash drive
- D. Local backup

Answer: A (LEAVE A REPLY)

Cloud storage provides high availability, allowing multiple users to access and collaborate on data anytime and from anywhere with an internet connection.

NEW QUESTION: 65

Which of the following notational systems does the value 10AF01 indicate?

- A. Unicode
- B. Binary
- C. Hexadecimal
- D. Octal

Answer: C (LEAVE A REPLY)

The value "10AF01" is indicative of a hexadecimal number. Hexadecimal is a base-16 number system used widely in computing as a more human-friendly representation of binary values. It uses sixteen distinct symbols: 0-9 to represent values zero to nine, and A-F to represent values ten to fifteen. Hexadecimal numbers are particularly useful in programming and technology because they provide a more compact representation of binary-coded values and are easier to read and understand.

NEW QUESTION: 66

Which of the following types of programming languages uses tags rather than code?

- A. Markup
- B. Assembly
- C. Query
- D. Compiled

Answer: A (LEAVE A REPLY)

Markup languages (like HTML and XML) use tags to define structure and presentation, rather than traditional programming code.

NEW QUESTION: 67

Which of the following units of measurement is used when describing a gaming monitor?

- A. GPU
- B. RAM
- C. TB
- D. MHz

Answer: D (LEAVE A REPLY)

MHz (Megahertz) is used to describe the refresh rate or frequency of a gaming monitor, indicating how many times per second the screen updates.

Other options:

- *GPU is a graphics processor,
- *RAM is memory,
- *TB measures storage capacity.

NEW QUESTION: 68

A help desk technician is installing an application for a user who is in a different state. Which of the following best describes the software the technician is using for the installation?

- A. Collaboration
- B. Remote support
- C. Instant messaging
- D. Conferencing

Answer: B (LEAVE A REPLY)

The CompTIA Tech+ Study Guide explains:

"Remote support software allows technicians to connect to a user's computer from another location, troubleshoot issues, install applications, and perform updates without physically being at the same site." Additionally, the review question section confirms:

"You are setting up a technical support help desk for a new app. What type of software should you get to help the technicians fix problems more effectively?"

The answer: Remote support."

Thus, the technician in another state uses remote support software to perform the installation.

Verified Reference:

* Chapter 5: Software Applications - "Remote Support Software" (pp. 347-348).

NEW QUESTION: 69

A company is using data to provide senior leaders with information to drive company decision-making. Which of the following best describes this process?

- A. Meaningful reporting
- B. Data capture
- C. Data minimization
- D. Monetization

Answer: A (LEAVE A REPLY)

Providing senior leaders with actionable information derived from data to support decision-making is best described as meaningful reporting.

Other options:

*Data capture is collecting data,

*Data minimization limits data collection,

*Monetization involves generating revenue from data.

NEW QUESTION: 70

Which of the following best describes the primary connection between a wireless access point and a tablet?

A. 802.11X

B. Thunderbolt

C. Bluetooth

D. USB-C

Answer: A (LEAVE A REPLY)

802.11X (commonly referring to the 802.11 family of standards like 802.11ac or 802.11ax) is the Wi-Fi protocol used for wireless communication between devices like tablets and access points.

Other options:

*Bluetooth is for short-range, low-bandwidth connections,

*Thunderbolt and USB-C are wired connections.

NEW QUESTION: 71

Which of the following internet services traditionally has the most challenges with latency?

A. DSL

B. Fiber

C. Satellite

D. Cable

Answer: C (LEAVE A REPLY)

Satellite internet traditionally has the most latency because data must travel to and from satellites orbiting the Earth, introducing significant delay.

DSL, fiber, and cable are ground-based and generally have much lower latency.

NEW QUESTION: 72

Which of the following can be used to input commands for a computer to execute?

A. Services

B. Attributes

C. Process

D. Console

Answer: D (LEAVE A REPLY)

A console (or command-line interface) allows users to input commands for the computer to execute directly.

NEW QUESTION: 73

A user purchases a new router and wants to configure it. Which of the following should the user change first?

- A. Gateway
- B. Channel
- C. IP settings
- D. Default password

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 74

Which of the following programming languages can be used to package a program?

- A. Query
- B. Assembly
- C. Scripting
- D. Compiled

Answer: ([SHOW ANSWER](#))

The CompTIA Tech+ Study Guide explains:

"A compiled programming language is one that requires the use of a compiler to translate it into machine code. Creating and using a program using a compiled language consists of three steps:

- * Write the source code.
- * Use a compiler to translate the source code into machine code.
- * Execute the program file, which usually has an .exe extension."

Compiled languages package programs into executable files.

Verified Reference:

- * Chapter 6: Software Development Concepts - "Compiled Languages" (pp. 361-363).

NEW QUESTION: 75

Given the following pseudocode:

```
10 FOR Q=0 to 10
20 PRINT Q
30 NEXT Q
40 EXIT
```

Which of the following does the code best represent?

- A. Object
- B. Sequence
- C. Branch
- D. Loop

Answer: D (LEAVE A REPLY)

The pseudocode represents a loop, repeatedly executing the PRINT command for each value of Q from 0 to 10.

NEW QUESTION: 76

Which of the following is an example of PII? (Choose two.)

- A. Full name
- B. Date of birth
- C. Employment status
- D. School attended
- E. Social media username
- F. City of residence

Answer: A,B (LEAVE A REPLY)

Full name and date of birth are classic examples of Personally Identifiable Information (PII) because they can be used to uniquely identify an individual.

The other options are less specific and not uniquely identifying on their own.

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NEW QUESTION: 77

A database administrator creates a new database and assigns the primary key. Which of the following database types has the administrator created?

- A. Document
- B. Key/value
- C. Relational
- D. Non-structured

Answer: C (LEAVE A REPLY)

A relational database uses tables consisting of rows and columns where a primary key uniquely identifies each row (record). As stated in the CompTIA ITF+ FC0-U71 Official Study Guide:

* " Relational databases store data in tables consisting of rows and columns. Each table has a primary key, which uniquely identifies each record. "

* " Document and key/value databases are types of NoSQL databases and do not use primary keys in the same structured tabular format. "

* Non-structured databases (like object storage or big data repositories) do not enforce primary keys.

Reference: CompTIA ITF+ FC0-U71 Official Study Guide, Chapter 7 - Database Fundamentals.

-

NEW QUESTION: 78

Which of the following represents the value of 9 with ones and zeros?

- A. Octal
- B. Decimal
- C. Binary
- D. Hexadecimal

Answer: C (LEAVE A REPLY)

Binary represents numbers using only ones and zeros. The value 9 in binary is 1001.

NEW QUESTION: 79

Which of the following should be checked to ensure a user is authenticated by a web server?

- A. Account logs
- B. Browser history
- C. Permissions
- D. Firewall

Answer: (SHOW ANSWER)

Account logs record authentication attempts and can be checked to verify whether a user has successfully authenticated with a web server.

Other options:

- *Browser history tracks visited sites,
- *Permissions control access after authentication,
- *Firewall manages network traffic, not authentication records.

NEW QUESTION: 80

A student is setting up a laptop with a built-in camera for an online class. Upon logging in, the student is able to see the teacher, but the teacher is unable to see the student. Which of the following actions would most likely fix this issue?

- A. Disable pop-up blockers.
- B. Update the device driver.
- C. Install a videoconference application.
- D. Reset the peripheral IP.

Answer: B (LEAVE A REPLY)

If the built-in camera is not functioning properly, such as not sending video, the most likely cause is a driver issue. Updating the device driver can restore proper functionality.

NEW QUESTION: 81

A user moves to a new desk that is located next to the kitchen. Now, the user can no longer log in to the wireless network. Which of the following is causing this issue?

- A. Speed considerations,
- B. Older standards
- C. Access control
- D. Interference factors

Answer: D ([LEAVE A REPLY](#))

The proximity to the kitchen likely introduces interference (from appliances like microwaves) that disrupts the wireless signal, preventing the user from logging in.

Other options:

- *Speed considerations affect throughput,
- *Older standards relate to compatibility,
- *Access control manages permissions but wouldn't be location-dependent.

NEW QUESTION: 82

Which of the following is used to measure the speed of an internet connection?

- A. 802.11X
- B. Mbps
- C. MHz
- D. Bytes

Answer: ([SHOW ANSWER](#)**)**

In CompTIA Tech+ Study Guide (Exam FC0-U71, 3rd Edition, 2025), the section "Reviewing Throughput Speeds" explains:

"The most basic measure of throughput is in bits per second (bps)-that is, how many bits are transmitted across the network media (or wireless connection) any given second. Each of the following designations increases that speed by 1000 times:

- # Kilobits per second (Kbps)
- # Megabits per second (Mbps)
- # Gigabits per second (Gbps)
- # Terabits per second (Tbps)"

This shows that Mbps (megabits per second) is the standard measurement unit for Internet connection speed.

- * 802.11X is a wireless security standard,
- * MHz measures processor frequency, and
- * Bytes measure data size, not transfer rate.

Verified Reference:

- * Chapter 8: Networking Concepts and Technologies - "Reviewing Throughput Speeds" (pp. 424-425).
- * Chapter 2: Peripherals and Connectors - "Throughput units of measure" (p. 80).

NEW QUESTION: 83

Which of the following is commonly used to measure the RAM capacity of a smartphone?

- A. GB
- B. KB
- C. MB
- D. TB

Answer: A ([LEAVE A REPLY](#))

Gigabytes (GB) are the standard unit for measuring RAM capacity in modern smartphones, typically ranging from 2GB to 16GB.

KB and MB are too small, TB is used for large storage, not RAM.

NEW QUESTION: 84

A systems administrator resolves a persistent issue with a laptop. Which of the following steps should the administrator take next?

- A. Test the theory.
- B. Document the findings.
- C. Create an action plan.
- D. Implement the action plan

Answer: B ([LEAVE A REPLY](#))

After resolving an issue, the next important step is to document the findings and solution to provide a record for future reference and help others with similar issues.

NEW QUESTION: 85

A software developer has created a program for the accounting department. The finance department requests the same program but requires some changes to the code to meet its needs.

Which of the following should be performed?

- A. Compiling
- B. Looping
- C. Sequencing
- D. Branching

Answer: (SHOW ANSWER)

In programming, branching refers to making decisions based on certain conditions, which alters the flow of execution within a program. When a software developer needs to modify code to accommodate specific conditions, like the needs of the finance department, branching is applied.

This allows the program to execute different sections of code depending on the circumstances (e.g., "if-else" statements). It is one of the core concepts for modifying or adapting existing programs for different functional requirements.

NEW QUESTION: 86

Which of the following is the equivalent of 8 bits?

- A. GB
- B. Kilobyte
- C. Byte
- D. MHz

Answer: (SHOW ANSWER)

The CompTIA Tech+ Study Guide provides a conversion table for storage units:

"1 bit = 1 bit, a single 0 or 1.

8 bits = 1 byte (one text character).

1,000 bytes = 1 kilobyte (KB)."

Thus, 8 bits equals 1 byte.

Verified Reference:

* Chapter 1: Core Hardware Components - Table 1.2 "Bit and Byte Conversions" (p. 36).

NEW QUESTION: 87

Which of the following is an example of a MAC address?

- A. 00:50:09:2D:4D:94
- B. 0x3476
- C. 192.68.10.24
- D. fe80:102d:cd62:5434:82ae

Answer: A (LEAVE A REPLY)

A MAC address is a unique hardware identifier formatted as six groups of two hexadecimal digits separated by colons or hyphens.

Other options:

*0x3476 is a hexadecimal number,

*192.68.10.24 is an IPv4 address,

*fe80:102d:cd62:5434:82ae is an IPv6 address.

NEW QUESTION: 88

Which of the following has the highest processing speed?

- A. 1.2MHz
- B. 3.1GHz
- C. 4.4GHz
- D. 5.5MHz

Answer: C (LEAVE A REPLY)

4.4GHz represents the highest processing speed among the options, as gigahertz (GHz) is a larger unit than megahertz (MHz).

NEW QUESTION: 89

Which of the following programming languages is most likely used to create web pages?

- A. Markup language
- B. Assembly language
- C. Compiled language
- D. Query language

Answer: A (LEAVE A REPLY)

Markup languages, such as HTML, are used to structure and display content on web pages.

NEW QUESTION: 90

Which of the following features of an OS prioritizes a program's use of resources?

- A. Application management
- B. Process management
- C. Access management
- D. Device management

Answer: B (LEAVE A REPLY)

Process management is the feature of an operating system that prioritizes and allocates resources (like CPU and memory) to running programs, ensuring efficient execution and multitasking.

Other options:

- *Application management oversees app installation and updates,
- *Access management controls user permissions,
- *Device management handles hardware components.

NEW QUESTION: 91

Which of the following types of AI is used to edit images?

- A. Assistive
- B. Predictive
- C. Chatbot
- D. Generative

Answer: D (LEAVE A REPLY)

Generative AI creates or modifies content, such as editing images, generating art, or producing media.

Other options:

- *Assistive AI supports tasks,
- *Predictive AI forecasts outcomes,
- *Chatbots simulate conversation but do not edit images.

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NEW QUESTION: 92

A user needs to stop an application that is running on a laptop. Which of the following best describes the part of the OS that is needed to perform this operation?

- A. Process management
- B. Task scheduling
- C. Access control
- D. Disk management

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 93

Which of the following programming languages can be used to package a program?

- A. Query
- B. Scripting
- C. Compiled
- D. Assembly

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 94

Which of the following is the least expensive way for users at a large company to load a 2GB spreadsheet quickly?

- A. Buy faster networking switches.
- B. Upgrade the operating system and applications.
- C. Move the file to a shared database.
- D. Add more RAM to each workstation.

Answer: D ([LEAVE A REPLY](#))

Adding more RAM to each workstation is the least expensive and most effective way to improve the performance of loading large files like a 2GB spreadsheet. RAM directly impacts how much data a workstation can hold in memory for fast access, and increasing it will help the spreadsheet load and process more quickly. Other options, like upgrading switches or moving to a shared database, may be more costly or less effective.

NEW QUESTION: 95

Given the following pseudocode:

```
< BODY >  
< P > This is a paragraph. < /P >  
< /BODY >
```

Which of the following best represents the type of language used by this code?

- A. Markup
- B. Query
- C. Compiled
- D. Scripting

Answer: A (LEAVE A REPLY)

The syntax shown uses tags like < BODY > and < P > , which are characteristic of a markup language, specifically HTML (HyperText Markup Language). Markup languages describe the structure and presentation of text.

"Markup languages, such as HTML and XML, are used to annotate text so that the computer can manipulate it. HTML is used to design the structure of web pages using tags like < body > , < p > , < h1 > , etc." - CompTIA ITF+ Official Guide Other options:

- * Query languages like SQL retrieve data.
- * Compiled languages require compilation into machine code (e.g., C++).
- * Scripting languages are used for automation but don't use markup syntax.

Correct answer: A

NEW QUESTION: 96

Which of the following is required for a cloud network?

- A. Local applications
- B. Credentials
- C. Internet access
- D. Network infrastructure

Answer: C (LEAVE A REPLY)

For a cloud network to function, internet access is essential. This connectivity allows users and devices to access cloud services and resources hosted remotely. Without internet access, the interaction with cloud-based applications and data storage would be impossible, making it a fundamental requirement for utilizing cloud services.

NEW QUESTION: 97

A user finds a USB device and plugs it into a laptop. The laptop does not detect the USB device. Which of the following is the most likely cause of this issue?

- A. Disabled port
- B. Anti-malware
- C. Insufficient memory
- D. Account permissions

Answer: A (LEAVE A REPLY)

If the USB device is not detected, the most likely cause is that the USB port is disabled in the system settings or BIOS, preventing the hardware from being recognized.

Other options:

- *Anti-malware usually does not block hardware detection,

*Insufficient memory affects system performance, not USB detection,

*Account permissions generally don't prevent USB detection but may restrict usage.

NEW QUESTION: 98

A user is reviewing the following data set:

Which of the following is this data set an example of?

- A. Function
- B. Constant
- C. Array
- D. Variable

Answer: [\(SHOW ANSWER\)](#)

NEW QUESTION: 99

A development team needs a coding environment that is easy to manage. Which of the following services best meets this requirement?

- A. PaaS
- B. SaaS
- C. IaaS
- D. DaaS

Answer: A [\(LEAVE A REPLY\)](#)

NEW QUESTION: 100

A technician is setting up a new wireless router for a small network and wants it to be as secure as possible. Which of the following should the technician configure?

- A. NAT
- B. SSID
- C. WPA2
- D. WEP

Answer: [\(SHOW ANSWER\)](#)

WPA2 provides strong encryption and security for wireless networks, protecting data from unauthorized access.

NEW QUESTION: 101

A group wants to store data while collaborating on a project. Which of the following is the best option to enable high availability of the data?

- A. Cloud storage
- B. External hard drive
- C. Flash drive
- D. Local backup

Answer: A [\(LEAVE A REPLY\)](#)

Cloud storage enables multiple users to access and modify data in real-time from different locations. It also ensures high availability by offering redundancy and online access. "Cloud storage provides high availability, accessibility, and collaboration capabilities, making it ideal for group projects and remote access." - CompTIA ITF+ Cloud Technologies Correct answer: A

NEW QUESTION: 102

Which of the following describes a printer?

- A. Processing
- B. Output
- C. Storage
- D. Input

Answer: (SHOW ANSWER)

A printer is an output device because it takes digital data from a computer and produces a physical, printed result.

NEW QUESTION: 103

Which of the following must be configured to install a printer on a network?

- A. Physical address
- B. IP address
- C. MAC address
- D. Access point

Answer: B (LEAVE A REPLY)

To install and use a printer over a network, the printer must have an assigned IP address so that it can be located and communicated with by other devices on the same network.

"Network printers are assigned IP addresses so computers can locate and send print jobs to them over the network." - CompTIA ITF+ Networking Guide Correct answer: B

NEW QUESTION: 104

A user is configuring a server OS. Which of the following should the user do after setting up the system?

- A. Change the default usernames and passwords.
- B. Synchronize the administrative log-ins with other servers on the domain.
- C. Disable the administrator password.
- D. Clear the password complexity database.

Answer: (SHOW ANSWER)

Changing default usernames and passwords enhances security by preventing unauthorized access using known default credentials.

NEW QUESTION: 105

A lab technician removes access from students who do not need to use a fileshare. Which of the following best describes this action?

- A. Least privilege model
- B. Non-repudiation
- C. Multifactor authentication
- D. Single sign-on

Answer: A (LEAVE A REPLY)

The least privilege model is a principle of giving users the minimum level of access needed to perform their roles. Removing unnecessary access aligns with this principle.

"Least privilege limits users to only the resources necessary for their duties, reducing the risk of unauthorized access." - CompTIA ITF+ Security Essentials Correct answer: A

NEW QUESTION: 106

Which of the following is an example of a MAC address?

- A. 00:50:09:2D:4D:94
- B. 0x3476
- C. 192.68.10.24
- D. fe80:102d:cd62:5434:82ae

Answer: A (LEAVE A REPLY)

A MAC (Media Access Control) address is a hardware address assigned to a network interface card. It follows a 48-bit hexadecimal format usually displayed as six pairs separated by colons or hyphens:

"MAC addresses typically appear as 00:50:09:2D:4D:94."

192.68.10.24 is an IPv4 address, fe80:102d:cd62:5434:82ae is an IPv6 address, and 0x3476 is simply a hexadecimal number, not a MAC address.

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NEW QUESTION: 107

Which of the following is a touch screen used for? (Choose two.)

- A. Storage
- B. Input
- C. Output
- D. Networking

E. Processing

F. Logging

Answer: B,C (LEAVE A REPLY)

A touch screen functions as both an input and output device. According to the CompTIA ITF+ FC0-U71 Official Study Guide:

"A touchscreen display is a hybrid device combining input and output. It shows visual output like a standard monitor but also allows the user to interact directly by touching the screen."

"Input devices allow users to provide data or control signals (e.g., keyboard, mouse, touchscreen)."

"Output devices show results from the computer's processing (e.g., monitor, printer, touchscreen)." Touchscreens display information (output) and receive user input through touch (input). They do not perform storage, networking, processing, or logging.

Reference:

-

NEW QUESTION: 108

Which of the following is the most important consideration when opening a file on an OS GUI?

A. File extension

B. Default permissions

C. Backup policy

D. Data compression

Answer: A (LEAVE A REPLY)

The file extension determines which application the OS uses to open the file in a GUI environment. It's the key factor the OS checks to associate the file with the appropriate program (e.g., .docx with Word, .jpg with an image viewer).

NEW QUESTION: 109

A technician identifies the potential cause of a problem. Which of the following troubleshooting steps should the technician take next?

A. Test the theory.

B. Create a plan of action.

C. Document the findings.

D. Verify system functionality.

Answer: A (LEAVE A REPLY)

After identifying the potential cause of a problem, the next step is to test the theory to confirm if the suspected cause is correct before proceeding with a solution.

Other options:

*Create a plan of action and verify system functionality come after confirmation,

*Document the findings is done after resolution.

NEW QUESTION: 110

Which of the following units of measurement is used when describing a gaming monitor?

- A. GPU
- B. RAM
- C. TB
- D. MHz

Answer: D ([LEAVE A REPLY](#))

Gaming monitors are often described using refresh rates, which are measured in hertz (Hz), often specified in MHz for related processing frequencies. The CompTIA ITF+ FC0-U71 Official Study Guide states:

* " Monitor refresh rate refers to how many times per second the screen updates, usually measured in Hz.

"

* " MHz (megahertz) is used for various frequencies, including GPU and monitor refresh processing. " GPU and RAM refer to hardware components, TB measures storage, and MHz relates to the frequency, applicable for monitor performance metrics.

Reference: CompTIA ITF+ FC0-U71 Official Study Guide, Chapter 2 - Computing Devices and Chapter 5 - Display Devices.

-

NEW QUESTION: 111

A student is setting up a laptop with a built-in camera for an online class. Upon logging in, the student is able to see the teacher, but the teacher is unable to see the student. Which of the following actions would most likely fix this issue?

- A. Disable pop-up blockers
- B. Update the device driver
- C. Install a videoconference application
- D. Reset the peripheral IP

Answer: ([SHOW ANSWER](#))

If the student's built-in camera isn't functioning, it is likely due to a missing or outdated device driver. Updating the camera driver allows the OS to properly interface with the hardware.

"Drivers are essential software that enables communication between the OS and hardware devices. A malfunctioning camera often points to a driver issue." - CompTIA ITF+ Correct answer: B

NEW QUESTION: 112

Which of the following is true with respect to a flat file or a database?

- A. Databases are more efficient for small scale data storage.
- B. A flat file represents relational systems.

C. Databases provide better data organization, indexing, and querying.

D. A flat file uses query language.

Answer: C (LEAVE A REPLY)

Databases offer structured organization, indexing, and querying capabilities, making them more efficient for managing and retrieving data compared to flat files.

NEW QUESTION: 113

A user logs in with the same credentials across multiple websites. Which of the following password policies would most likely prevent this practice?

A. Reuse

B. Complexity

C. Privacy

D. Length

Answer: A (LEAVE A REPLY)

A password reuse policy prevents users from using the same password across multiple systems or websites, helping to improve security by reducing the impact of a compromised password.

Other options:

*Complexity ensures password strength,

*Privacy relates to keeping passwords secret,

*Length specifies the minimum number of characters.

NEW QUESTION: 114

Which of the following can be used to input commands for a computer to execute?

A. Services

B. Attributes

C. Process

D. Console

Answer: D (LEAVE A REPLY)

A console (or command-line interface) allows users to input commands for the computer to execute directly.

Other options:

*Services run background tasks,

*Attributes describe properties of objects,

*Process refers to a running program, not a command input method.

NEW QUESTION: 115

Which of the following should be checked to ensure a user is authenticated by a web server?

A. Account logs

B. Browser history

C. Permissions

D. Firewall

Answer: A (LEAVE A REPLY)

Account logs provide details about authentication attempts and can confirm whether a user successfully logged in or was denied access.

"Authentication events are recorded in system and application logs, helping verify login success or failure."

- CompTIA ITF+ Security Concepts

Correct answer: A

NEW QUESTION: 116

Which of the following describes a printer?

A. Processing

B. Output

C. Storage

D. Input

Answer: B (LEAVE A REPLY)

A printer is an output device because it receives digital data from a computer and converts it into a printed physical format (such as paper).

"Output devices display or reproduce information from the computer. Examples include monitors, speakers, and printers." - CompTIA ITF+ Fundamentals Correct answer: B

NEW QUESTION: 117

Which of the following types of AI is used to edit images?

A. Assistive

B. Predictive

C. Chatbot

D. Generative

Answer: D (LEAVE A REPLY)

Generative AI creates or modifies content, such as editing images, generating art, or producing media.

NEW QUESTION: 118

Which of the following data types would be best for storing data representing a phone number?

A. String

B. Integer

C. Float

D. Char

Answer: A (LEAVE A REPLY)

A phone number is best stored as a string because it may include leading zeros, parentheses, dashes, or plus signs, which are not handled properly by numeric data types like integers or floats.

Other options:

*Integer and float are numeric types unsuitable for formatted phone numbers,

*Char holds only a single character.

NEW QUESTION: 119

Which of the following uses the M.2 form factor?

A. NVMe

B. GPU

C. RAM

D. NIC

Answer: [\(SHOW ANSWER\)](#)

The M.2 form factor is commonly used for NVMe (Non-Volatile Memory Express) SSDs, which are high-speed storage devices.

NEW QUESTION: 120

A technician is troubleshooting an important application that is crashing every hour. The technician suspects that the installation is corrupt and needs to be reinstalled. Which of the following steps should be performed next?

A. Verify full system functionality.

B. Research the knowledge base.

C. Identify the problem.

D. Test the theory.

Answer: [B \(LEAVE A REPLY\)](#)

Before proceeding with reinstallation, the technician should first research the knowledge base to gather information about similar issues and recommended solutions. This step ensures that the decision to reinstall is supported by documented cases or official recommendations and might provide alternative solutions that are less disruptive or more effective.

NEW QUESTION: 121

Given the following table:

ID	Month	Day	Year	Name
1	October	6	1969	James
2	May	13	1970	Jane
3	September	25	1999	John
4	April	15	1976	Helena

Which of the following fields best represents a primary key?

A. ID

- B. Month
- C. Day
- D. Year
- E. Name

Answer: ([SHOW ANSWER](#))

A primary key is a unique identifier for each record in a database table. It must be unique and not null across all rows. In this table, the field ID is the only column that uniquely identifies each row and does not repeat.

"A primary key is a field (or a set of fields) that uniquely identifies a record in a table. It ensures that each record can be uniquely retrieved." - CompTIA ITF+ Official Study Guide

Analysis of other options:

* Month, Day, Year, and Name can have duplicate values across multiple records and therefore do not serve as unique identifiers.

Correct answer: A

The ID field contains unique values for each record and is typically used as a primary key in a database. A primary key uniquely identifies each row in a table.

Month, Day, Year, and Name may have duplicates and do not guarantee uniqueness.

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NEW QUESTION: 122

Which of the following types of programming languages allows for the best hardware optimization?

- A. Assembled
- B. Markup
- C. Scripting
- D. Compiled

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 123

Which of the following data types is used when storing data about the number of students enrolled in a class?

- A. Boolean
- B. Float

C. Integer

D. Char

Answer: (SHOW ANSWER)

Integer data types are used to store whole numbers, such as the count of students enrolled in a class.

NEW QUESTION: 124

Which of the following is a default gateway in a home network?

A. Firewall

B. Switch

C. Router

D. Hypervisor

Answer: C (LEAVE A REPLY)

According to the CompTIA Tech+ Study Guide (Exam FC0-U71, 3rd Edition, 2025):

"A router is a highly intelligent network connectivity device that can connect multiple network types to each other. Routers use routing tables to store network addresses and route packets based on the best path available." It further clarifies:

"Wireless routers are common in homes and offices. Functionally, wireless routers work just like their wired cousins." The default gateway in a home network is the router, as it serves as the device that connects the internal local area network (LAN) to the external Internet.

Verified Reference:

* Chapter 8: Networking Concepts and Technologies - "Router" section (pp. 446-447).

* Figure 8.8 - "A wireless router."

NEW QUESTION: 125

A user wants to install new local storage on a workstation with the following requirements:

Non-magnetic

Non-volatile

Non-optical

Which of the following meets these requirements?

A. RAM

B. NAS

C. SSD

D. HDD

Answer: C (LEAVE A REPLY)

NEW QUESTION: 126

A computer is not able to connect to the network and has an invalid IP address. Which of the following components could be malfunctioning?

A. NFC

- B. CPU
- C. UPS
- D. NIC

Answer: D (LEAVE A REPLY)

The network interface card (NIC) manages network connections, and a malfunction can cause invalid IP addressing and connectivity issues.

NEW QUESTION: 127

A user 's internet speed is slow. The user logs in to the router 's administrator portal and sees that unauthorized devices are connected to the network. Which of the following actions should the user take to prevent unauthorized use of the network?

- A. Call the internet provider 's support line.
- B. Decrease the Wi-Fi signal range.
- C. Change the password.
- D. Reset the router.

Answer: (SHOW ANSWER)

Changing the router 's password (particularly the Wi-Fi password) prevents unauthorized users from reconnecting to the network. It's the most immediate and effective response.

"One of the most effective ways to secure a wireless network is by changing the default and existing passwords to prevent unauthorized access." - CompTIA ITF+ Security Topics

* Calling support may help but doesn't address the issue directly.

* Decreasing signal range may reduce but not eliminate access.

* Resetting the router is more disruptive and unnecessary if the password can be changed.

Correct answer: C

NEW QUESTION: 128

Which of the following is used to manage the resources allocated to a virtual computer?

- A. Guest OS
- B. Hypervisor
- C. PaaS
- D. SaaS

Answer: B (LEAVE A REPLY)

A hypervisor manages and allocates hardware resources to virtual machines, allowing multiple virtual computers to run on a single physical host.

NEW QUESTION: 129

Which of the following is an example of a float data type?

- A. abc
- B. -2.34
- C. 0
- D. 12

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 130

Which of the following is an advantage of using a database instead of a flat file?

- A.** Portability
- B.** Multiple concurrent users
- C.** Cloud support
- D.** Speed to implement

Answer: B ([LEAVE A REPLY](#))

The CompTIA Tech+ Study Guide details this advantage:

"If you need to have multiple concurrent users accessing data, you need a database. Flat files don't do well when several people try to access them at once. In the vast majority of cases, one user might be able to write to the file, but all users will be limited to a read-only copy." It further states:

"Databases generally lock only on a record level... so multiple people can actively use the database at one time." Therefore, the primary advantage of databases over flat files is support for multiple concurrent users.

Verified Reference:

* Chapter 7: Database Fundamentals - "When to Use Databases" (pp. 389-391).

NEW QUESTION: 131

A user needs to stop an application that is running on a laptop. Which of the following best describes the part of the OS that is needed to perform this operation?

- A.** Task scheduling
- B.** Disk management
- C.** Access control
- D.** Process management

Answer: ([SHOW ANSWER](#))

The CompTIA Tech+ Study Guide states:

"Nearly every program running on a computer is run as a process. This includes system operations, background tasks, and applications... The Task Manager utility helps you see everything that's running on a computer... If I have an app that's taking up too much memory, I can click it and then click End Task to shut it down. This is also known as killing the process." Thus, process management is the OS function that allows users to stop (terminate) running applications.

Verified Reference:

* Chapter 4: Operating Systems - "Process Management" (pp. 238-240).

NEW QUESTION: 132

Given the following pseudocode:

<BODY>

```
<P>This is a paragraph.</P>
```

```
</BODY>
```

Which of the following best represents the type of language used by this code?

- A. Markup
- B. Query
- C. Compiled
- D. Scripting

Answer: (SHOW ANSWER)

The code shown uses HTML tags like <BODY> and <P>, which are part of a markup language. Markup languages describe the structure and presentation of text, not logic or computation.

Other options:

*Query languages retrieve data (e.g., SQL),

*Compiled languages are turned into machine code (e.g., C++),

*Scripting languages execute instructions (e.g., Python, JavaScript).

NEW QUESTION: 133

A school needs a solution that gives all workstations a short period of time to save work during power outages. Which of the following is the best solution?

- A. Cloud
- B. External drive
- C. UPS
- D. File server

Answer: C (LEAVE A REPLY)

The correct answer is C. UPS. A UPS, or uninterruptible power supply, provides temporary battery power during a power outage. This gives users or systems enough time to save work and shut down safely. Cloud storage, external drives, and file servers can store data, but they do not provide temporary power during an outage.

Exact Extract/Reference: The CompTIA Tech+ Study Guide defines a UPS as "a battery backup system" and states that during a power outage or brownout, it can supply power "for a limited amount of time and provide for a graceful shutdown." The guide also states that if power fails, UPS batteries can power the computer long enough for the administrator to safely power it down.

NEW QUESTION: 134

A student 's attempt to access a teacher 's network folder is denied. Which of the following best explains the reason access is denied?

- A. Location tracking
- B. Firewall certificate
- C. Multifactor authentication
- D. Least privilege model

Answer: D (LEAVE A REPLY)

The CompTIA Tech+ Study Guide (Exam FC0-U71, 3rd Edition, 2025) defines the least privilege model as:

"One of the key foundations of an authorization system is the least privilege model. This states that users should be granted only the least amount of access required to perform their jobs, and no more. This principle applies to computers, files, databases, and all other available resources." This concept ensures that a student cannot access restricted folders such as a teacher's network folder, because their role does not require that level of access.

Verified Reference:

* Chapter 10: Security Concepts and Threats - "Authorization and the Least Privilege Model" (pp. 549-550).

NEW QUESTION: 135

A user is unable to load the most recent version of a web page. The old page loads each time the screen is refreshed. Which of the following would the user most likely do to resolve the issue?

- A. Synchronize the profile.
- B. Disable browser extensions.
- C. Clear the cache.
- D. Enable the pop-up blocker.

Answer: C (LEAVE A REPLY)

Clearing the cache removes stored versions of web pages that the browser may be reloading instead of fetching the latest version. This is the most likely fix when a web page displays outdated content.

Profile sync, extensions, and pop-up blockers are unrelated to loading cached pages.

NEW QUESTION: 136

Which of the following units of measurement is the largest?

- A. GB
- B. TB
- C. PB
- D. MB

Answer: (SHOW ANSWER)

The units in order from smallest to largest are: MB (Megabyte) < GB (Gigabyte) < TB (Terabyte) < PB (Petabyte).

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NEW QUESTION: 137

A user needs to securely access a remote network from home. Which of the following should the user utilize for secure remote access?

- A. LAN
- B. FTP
- C. DNS
- D. VPN

Answer: D (LEAVE A REPLY)

A VPN (Virtual Private Network) creates a secure, encrypted connection over the internet between the user and a remote network, enabling secure access from home or public networks.

"VPNs provide a secure tunnel for transmitting data over unsecured networks, such as the internet, by encrypting all traffic between the client and the network." - CompTIA ITF+ Security Topics Other options:

- A . LAN - Local and not for remote use
- B . FTP - Transfers files but lacks modern encryption
- C . DNS - Resolves domain names, not for access

Correct answer: D

NEW QUESTION: 138

Which of the following is an input device?

- A. Scanner
- B. Motherboard
- C. Printer
- D. Speaker

Answer: (SHOW ANSWER)

A scanner is an input device that captures data from physical documents and sends it to a computer for processing.

NEW QUESTION: 139

Users are discussing the birthdays and home addresses of notable public figures in a public chat room. Which of the following security concepts is being compromised?

- A. Confidentiality
- B. Integrity
- C. Privacy
- D. Availability

Answer: ([SHOW ANSWER](#))

Discussing birthdays and home addresses of individuals - even public figures - violates privacy, which concerns the protection of personal or sensitive information.

Other options:

*Confidentiality refers to restricting access to sensitive data,

*Integrity ensures data is not altered,

*Availability ensures data and systems are accessible when needed.

NEW QUESTION: 140

An administrator enables mirroring for all computers in office conference rooms. Which of the following explains why this function is allowed?

- A. To present identical content on multiple displays
- B. To connect faster to the cloud storage service
- C. To benefit from additional security enhancements
- D. To share files directly from the NAS

Answer: ([SHOW ANSWER](#))

Mirroring allows the same content to be displayed on multiple screens simultaneously, ensuring consistent presentations across conference room displays.

NEW QUESTION: 141

Which of the following is used to create a repetitive process within code?

- A. Loop
- B. Branch
- C. Comment
- D. Integrate

Answer: A ([LEAVE A REPLY](#))

A loop is a programming construct that repeats a block of code multiple times until a condition is met.

NEW QUESTION: 142

A user moves to a new desk that is located next to the kitchen. Now, the user can no longer log in to the wireless network. Which of the following is causing this issue?

- A. Speed considerations,
- B. Older standards
- C. Access control
- D. Interference factors

Answer: ([SHOW ANSWER](#))

The proximity to the kitchen likely introduces interference (from appliances like microwaves) that disrupts the wireless signal, preventing the user from logging in.

NEW QUESTION: 143

Which of the following is the number of bits in a byte of data?

- A. 2
- B. 4
- C. 8
- D. 16

Answer: ([SHOW ANSWER](#))

A byte consists of exactly 8 bits. Bits (binary digits) are the smallest unit of data, and eight of them grouped together form one byte, which is used to represent characters and numbers in digital systems.

"A byte is made up of 8 bits and is the standard unit of data used to represent information such as characters in computing." - CompTIA ITF+ Fundamentals Correct answer: C

NEW QUESTION: 144

A student is setting up a laptop with a built-in camera for an online class. Upon logging in, the student is able to see the teacher, but the teacher is unable to see the student. Which of the following actions would most likely fix this issue?

- A. Disable pop-up blockers
- B. Update the device driver
- C. Install a videoconference application
- D. Reset the peripheral IP

Answer: B ([LEAVE A REPLY](#))

If the student's built-in camera isn't functioning, it is likely due to a missing or outdated device driver.

Updating the camera driver allows the OS to properly interface with the hardware.

"Drivers are essential software that enables communication between the OS and hardware devices. A malfunctioning camera often points to a driver issue." - CompTIA ITF+ Correct answer: B

NEW QUESTION: 145

Which of the following is used to measure the speed of a CPU?

- A. MHz
- B. MB
- C. Mbps
- D. MAC

Answer: ([SHOW ANSWER](#))

CPU speed is measured in megahertz (MHz) or gigahertz (GHz), indicating how many million or billion cycles the processor can execute per second.

"CPU performance is commonly measured in megahertz (MHz) or gigahertz (GHz), representing the processor's clock speed." - CompTIA ITF+ MB is for memory/storage size.

Mbps is for network speed.

MAC is a hardware address, not a performance metric.

Correct answer: A

NEW QUESTION: 146

Which of the following describes a portion of programming code that performs a specific task and can be reused?

- A. Arrays
- B. Variables
- C. Functions
- D. Methods

Answer: C ([LEAVE A REPLY](#))

A function is a reusable block of code that performs a specific task, allowing programmers to execute it multiple times throughout a program.

NEW QUESTION: 147

Which of the following could be a letter, number, or symbol?

- A. String
- B. Boolean
- C. Char
- D. Integer

Answer: C ([LEAVE A REPLY](#))

A char (character) represents a single letter, number, or symbol in programming.

Other options:

- *String is a sequence of characters,
- *Boolean represents true/false values,
- *Integer is a whole number.

NEW QUESTION: 148

A technician needs to purchase a printer driver but is only able to find it on the vendor's website.

Which of the following is this an example of?

- A. OEM
- B. Third-party vendor
- C. App store
- D. SaaS

Answer: ([SHOW ANSWER](#))

An OEM (Original Equipment Manufacturer) provides drivers and software directly for their hardware products, typically available on the vendor's website.

NEW QUESTION: 149

A programmer needs to create a space in an application code to hold a value. The value will be updated periodically when the code is executed. Which of the following should the programmer use?

- A. Variable
- B. Sequence
- C. Loop
- D. Constant

Answer: ([SHOW ANSWER](#))

A variable is used to store a value that can be updated or changed during program execution.

Other options:

- *Sequence refers to the order of instructions,
- *Loop repeats code,
- *Constant holds a fixed value that does not change.

NEW QUESTION: 150

Which of the following must be included when backing up a workstation?

- A. Cloud-hosted files
- B. Application data
- C. Emails
- D. Installation files

Answer: ([SHOW ANSWER](#))

When backing up a workstation, it's essential to include application data, which contains the user's work and settings.

NEW QUESTION: 151

Which of the following should a technician do to fix stability issues on a workstation?

- A. Install a malicious software analyzer.
- B. Install a firewall.
- C. Install browsing controls.
- D. Install updates.

Answer: D ([LEAVE A REPLY](#))

Installing updates is one of the best steps to address stability issues on a workstation.

Updates often contain patches for known bugs, security vulnerabilities, and performance improvements that can significantly enhance system stability. Keeping both the operating system and applications up to date is a standard best practice in IT maintenance.

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NEW QUESTION: 152

A user logs in with the same credentials across multiple websites. Which of the following password policies would most likely prevent this practice?

- A. Reuse
- B. Complexity
- C. Privacy
- D. Length

Answer: (SHOW ANSWER)

A password reuse policy prevents users from using the same password across multiple systems or websites, helping to improve security by reducing the impact of a compromised password.

NEW QUESTION: 153

A database administrator creates a new database and assigns the primary key. Which of the following database types has the administrator created?

- A. Document
- B. Key/value
- C. Relational
- D. Non-structured

Answer: C (LEAVE A REPLY)

A relational database uses primary keys to uniquely identify records and establish relationships between tables.

Other options:

*Document and key/value databases are NoSQL types that do not require primary keys in the traditional sense,

*Non-structured databases do not organize data into structured tables.

NEW QUESTION: 154

Which of the following can be configured on a laptop to disallow inbound connections for file sharing?

- A. Anti-malware
- B. Firewall
- C. Multifactor authentication
- D. Certificates

Answer: (SHOW ANSWER)

The correct answer is B. Firewall. A firewall filters network traffic based on configured rules. To disallow inbound file-sharing connections, the firewall can block the relevant inbound traffic. Anti-malware scans for malicious software, multifactor authentication verifies identity, and certificates help establish trust or encryption, but a firewall is the correct control for blocking inbound network connections.

Exact Extract/Reference: The CompTIA Tech+ Study Guide states that firewalls "filter inbound and outbound network traffic based on rules defined by the administrator." It also explains that host-based firewalls protect one computer and that Windows includes Microsoft Defender Firewall. The guide further explains that firewall ACLs determine which traffic is passed and which traffic is blocked.

NEW QUESTION: 155

A user wants to install new local storage on a workstation with the following requirements:

- Non-magnetic
- Non-volatile
- Non-optical

Which of the following meets these requirements?

- A. RAM
- B. SSD
- C. NAS
- D. HDD

Answer: B (LEAVE A REPLY)

An SSD (Solid State Drive) is non-magnetic, non-volatile, and does not use optical media, making it suitable for local storage under these requirements.

NEW QUESTION: 156

A user has concerns about device theft because they are working on a laptop at a local coffee shop. Which of the following physical devices would be best to protect the laptop?

- A. Firewall
- B. Privacy shield
- C. USB lock
- D. Cable lock

Answer: (SHOW ANSWER)

A cable lock (also called a Kensington lock) physically secures the laptop to a fixed object, making it difficult to steal in public spaces.

"Cable locks are physical security devices used to deter laptop theft by anchoring the device to a desk or other stationary object." - CompTIA ITF+ Official Guide A . Firewall is software-based and protects data, not the device.

B . Privacy shields prevent screen visibility, not theft.

C . USB locks prevent port access but not physical theft.

Correct answer: D

NEW QUESTION: 157

Which of the following is considered an output device?

- A. Smart TV
- B. Web camera
- C. Keyboard
- D. Microphone

Answer: A ([LEAVE A REPLY](#))

Output devices display or present data to users:

"A Smart TV displays visual and audio output, qualifying it as an output device." Web cameras, keyboards, and microphones are input devices that capture data rather than display or present it.

NEW QUESTION: 158

Which of the following is a benefit of performing regular backups?

- A. Copying data easily to a different server
- B. Testing outside of production
- C. Creating an extra copy that is easily shared
- D. Restoring lost files

Answer: D ([LEAVE A REPLY](#))

Regular backups ensure that lost or corrupted files can be restored, protecting data from accidental loss or system failures.

NEW QUESTION: 159

A company is using data to provide senior leaders with information to drive company decision-making.

Which of the following best describes this process?

- A. Meaningful reporting
- B. Data capture
- C. Data minimization
- D. Monetization

Answer: (SHOW ANSWER)

Meaningful reporting refers to the process of analyzing and summarizing data into actionable insights to support business decisions.

"Reports generated from data analytics provide meaningful insights to support strategic decision-making by company leadership." - CompTIA ITF+ Correct answer: A

NEW QUESTION: 160

Which of the following is used to measure the speed of a CPU?

- A. MHz
- B. MB

C. Mbps

D. MAC

Answer: A (LEAVE A REPLY)

MHz (Megahertz) and GHz (Gigahertz) are units used to measure CPU speed, indicating how many millions or billions of cycles per second the CPU can perform.

NEW QUESTION: 161

A technician is reviewing log files to track the number of times that a specific user has logged on to the networks. Which of the following security concepts is being used?

A. Accounting

B. Authorization

C. Authentication

D. Non-repudiation

Answer: A (LEAVE A REPLY)

Accounting refers to the process of tracking user activities, such as logon attempts and resource access. Reviewing log files to count logins is a clear example of this concept.

Other options:

*Authentication verifies identity,

*Authorization controls access to resources,

*Non-repudiation ensures that actions cannot be denied.

NEW QUESTION: 162

Which of the following display types is bidirectional?

A. DisplayPort

B. VGA

C. DVI

D. USB-C

Answer: D (LEAVE A REPLY)

USB-C supports bidirectional communication, which means it can both send and receive data, including video, audio, power, and data signals over the same cable. This is unlike traditional video cables such as VGA, DVI, or even DisplayPort, which primarily transmit data in one direction.

"USB-C is a reversible connector capable of transmitting power, data, video, and audio signals. It is also bidirectional, allowing two-way communication between devices." -

CompTIA ITF+ Study Guide

* VGA, DVI, and even DisplayPort are primarily unidirectional video outputs.

* Only USB-C fully supports modern bidirectional multimedia communication.

Correct answer: D

NEW QUESTION: 163

A programmer creates an object to retrieve customer names from a database. Which of the following best describes the object that is retrieving the names?

- A. Variable
- B. Attribute
- C. Method
- D. Looping

Answer: C (LEAVE A REPLY)

A method is a function or procedure associated with an object that performs an action, such as retrieving customer names from a database.

Other options:

*Variable stores data,

*Attribute describes properties of an object,

*Looping refers to repeating code blocks.

NEW QUESTION: 164

Which of the following functions can populate a database from a flat file?

- A. Create
- B. Import
- C. Query
- D. Report

Answer: B (LEAVE A REPLY)

Importing transfers data from a flat file into a database, populating tables with the information.

NEW QUESTION: 165

Which of the following troubleshooting steps happens before establishing a theory of probable cause?

- A. Document the lessons learned.
- B. Verify full system functionality.
- C. Identify the problem.
- D. Implement the solution.

Answer: C (LEAVE A REPLY)

The step that happens before establishing a theory of probable cause in the troubleshooting process is identifying the problem. This involves gathering information from the user, observing the symptoms, and systematically ruling out factors that may not be relevant. This step is crucial as it sets the foundation for developing an accurate theory of what might be causing the issue.

NEW QUESTION: 166

Given the following pseudocode:

```
10 READ Q,W
```

20 PRINT Q,W

30 GOTO 10

40 DATA 10,20,30,40,50,60,70,80,90,100

Which of the following best defines the type of data being used?

A. Boolean

B. Array

C. Variable

D. Function

Answer: B (LEAVE A REPLY)

The DATA statement lists multiple values (10, 20, 30, etc.) which are stored sequentially and accessed in order, representing an array or list of data elements.

Other options:

*Boolean is true/false,

*Variable stores a single value,

*Function performs operations or calculations.

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NEW QUESTION: 167

A user is connecting a router with an SPF connector. Which of the following cable types is best for this purpose?

A. Fiber

B. Ethernet

C. Lightning

D. Thunderbolt

Answer: A (LEAVE A REPLY)

SPF (Small Form-factor Pluggable) connectors are designed for fiber optic cables, enabling high-speed network connections.

NEW QUESTION: 168

Which of the following is an advantage of using a flat file for a small amount of data?

A. Speed

B. Scalability

C. Concurrent users

D. Variety of data

Answer: A (LEAVE A REPLY)

A flat file is a simple database format often stored as a plain text or CSV file. It is ideal for small data sets where speed and simplicity are required.

"Flat files are simple and fast for storing small amounts of data and are easy to process without requiring a full database management system." - CompTIA ITF+ Data Concepts

Correct answer: A

NEW QUESTION: 169

Which of the following has the highest processing speed?

A. 1.2 MHz

B. 3.1 GHz

C. 4.4 GHz

D. 5.5 MHz

Answer: C (LEAVE A REPLY)

The correct answer is C. 4.4 GHz. GHz means gigahertz, or billions of cycles per second, while MHz means megahertz, or millions of cycles per second. Therefore, any GHz value is much faster than a MHz value.

Between 3.1 GHz and 4.4 GHz, 4.4 GHz is higher.

Exact Extract/Reference: The CompTIA Tech+ Study Guide states that IBM's first PC ran at 4.77 MHz, which is 4.77 million cycles per second, while modern processors operate at "billions of cycles per second, or gigahertz (GHz)." It also states that, generally speaking, faster processor speed is better.

NEW QUESTION: 170

Which of the following types of AI is used to edit images?

A. Assistive

B. Predictive

C. Chatbot

D. Generative

Answer: D (LEAVE A REPLY)

Generative AI is used to create new content including images, music, videos, or text. This includes tasks like image editing, enhancement, or generation using tools such as DALL·E, MidJourney, or generative adversarial networks (GANs).

"Generative AI creates new data or content, such as images, music, or text. It is commonly used in image editing, graphic design, and media production." - CompTIA ITF+ Guide

Other AI types:

Assistive AI helps with tasks like navigation or text suggestions.

Predictive AI forecasts outcomes using existing data.

Chatbots simulate conversation, often in customer service.

NEW QUESTION: 171

An employee is working on a database and wants to retrieve specific information. Which of the following should the employee use?

- A. Big data
- B. Input
- C. Scale
- D. Query

Answer: D ([LEAVE A REPLY](#))

A query is used to retrieve specific information from a database by asking structured questions (typically using SQL).

NEW QUESTION: 172

Which of the following best describes information that is crucial to a large company for day-to-day operations?

- A. Correlated data
- B. Monetized data
- C. Big data
- D. Critical data

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 173

Which of the following represents the value of 9 with ones and zeros?

- A. Octal
- B. Decimal
- C. Binary
- D. Hexadecimal

Answer: C ([LEAVE A REPLY](#))

The question asks how the value 9 can be represented using only ones and zeros, which is the definition of binary. In binary, the decimal number 9 is represented as 1001.

"Binary is a base-2 numeral system that represents numeric values using only two symbols: 0 and 1.

Computers use binary to process and store all data." - CompTIA ITF+ Study Guide Correct answer: C

NEW QUESTION: 174

A database administrator wants to retrieve recently updated entries. Which of the following functions should the administrator run to complete the task?

- A. Create
- B. Query
- C. Import
- D. Report

Answer: B ([LEAVE A REPLY](#))

To extract specific information from a database, especially recently updated entries, a query is used. Queries filter and retrieve data based on conditions like dates, fields, or status.

"A query is a request for data or information from a database table or combination of tables." - CompTIA ITF+ Data Management Correct answer: B

NEW QUESTION: 175

Which of the following components is most likely to have a dedicated, active cooling method to prevent it from overheating during operation?

- A. Hard drive
- B. Network interface card
- C. Processor
- D. Memory

Answer: C ([LEAVE A REPLY](#))

The processor (CPU) is the most likely component to have a dedicated, active cooling method, such as a fan or liquid cooling, to prevent overheating. CPUs generate a significant amount of heat during operation, especially under heavy load, which is why cooling solutions like heatsinks and fans are commonly used to keep them within safe temperature ranges.

NEW QUESTION: 176

Which of the following is considered an output device?

- A. Smart TV
- B. Web camera
- C. Keyboard
- D. Microphone

Answer: ([SHOW ANSWER](#))

Output devices display or present data to users:

- * "A Smart TV displays visual and audio output, qualifying it as an output device."
- * Web cameras, keyboards, and microphones are input devices that capture data rather than display or present it.

Reference: CompTIA ITF+ FC0-U71 Official Study Guide, Chapter 5 - Peripherals and Connectors.

NEW QUESTION: 177

Which of the following hard drives has the largest capacity?

- A. 2TB
- B. 50KB
- C. 100GB
- D. 4,000MB

Answer: A ([LEAVE A REPLY](#))

Capacity sizes from smallest to largest:

50KB (kilobytes),

4,000MB (megabytes = 4GB),

100GB (gigabytes),

2TB (terabytes) which is the largest.

NEW QUESTION: 178

Which of the following is used to terminate a Cat 6 cable to an RJ45 connector?

A. Cable tester

B. Punchdown

C. Wire cutter

D. Crimper

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 179

A systems administrator resolves a persistent issue with a laptop. Which of the following steps should the administrator take next?

A. Test the theory.

B. Document the findings.

C. Create an action plan.

D. Implement the action plan.

Answer: ([SHOW ANSWER](#))

After resolving the issue, the final step in the CompTIA troubleshooting methodology is to document the findings. This includes noting what was done, what caused the issue, and how it was resolved, so others can reference it in the future.

"After resolving and verifying the issue, document the findings, actions taken, and outcomes to complete the troubleshooting process." - CompTIA ITF+ Troubleshooting Steps
Correct answer: B

NEW QUESTION: 180

Which of the following could reduce the number of staff needed in a call center?

A. AI chatbot

B. AI-generated code

C. AI content

D. AI assistant

Answer: A ([LEAVE A REPLY](#))

An AI chatbot can handle routine customer inquiries automatically, reducing the need for human staff in a call center.

NEW QUESTION: 181

An administrator enables mirroring for all computers in office conference rooms. Which of the following explains why this function is allowed?

- A. To present identical content on multiple displays
- B. To connect faster to the cloud storage service
- C. To benefit from additional security enhancements
- D. To share files directly from the NAS

Answer: A (LEAVE A REPLY)

The correct answer is A. To present identical content on multiple displays. Display mirroring is used when the same screen image must appear on more than one display, such as a laptop screen and a projector in a conference room. This is useful for presentations because the audience sees the same content the presenter sees. Mirroring does not improve cloud speed, add security by itself, or share files from network-attached storage.

Exact Extract/Reference: The Tech+ Study Guide explains that when "two or more displays are used at the same time to project the same image, that is called mirroring." It also states that "all actions performed on one display" are shown on the mirrored display.

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NEW QUESTION: 182

Which of the following best describes a programming concept where a command is executed from a set of instructions only when a specific condition is met?

- A. Branching
- B. Looping
- C. Sequencing
- D. Exception handling

Answer: A (LEAVE A REPLY)

Branching executes a command or set of instructions only when a specified condition is true, allowing decision-making in programs.

NEW QUESTION: 183

A user needs to securely access a remote network from home. Which of the following should the user utilize for secure remote access?

- A. LAN

- B. FTP
- C. DNS
- D. VPN

Answer: (SHOW ANSWER)

A VPN (Virtual Private Network) allows users to securely connect to a remote network over the internet by encrypting the connection.

Other options:

- *LAN is a local network,
- *FTP transfers files but is not secure by default,
- *DNS resolves domain names and doesn't provide secure access.

NEW QUESTION: 184

Which of the following concepts is represented by the sale of customer email addresses to potential product vendors?

- A. Data monetization
- B. Data correlation
- C. Data analytics
- D. Data capture

Answer: A (LEAVE A REPLY)

Data monetization refers to generating revenue from data assets, such as selling access or insights from collected user data to third parties.

"Data monetization involves using data to generate economic value - for example, selling user data to vendors or advertisers." - CompTIA ITF+ Data Concepts Correct answer: A

NEW QUESTION: 185

A user moves to a new desk that is located next to the kitchen. Now, the user can no longer log in to the wireless network. Which of the following is causing this issue?

- A. Speed considerations
- B. Older standards
- C. Access control
- D. Interference factors

Answer: D (LEAVE A REPLY)

Wireless interference is often caused by environmental factors such as proximity to kitchens, which may contain microwaves and other electronic devices operating on the same 2.4 GHz frequency used by many Wi-Fi networks. The CompTIA ITF+ FC0-U71 Official Study Guide explains:

"Wireless signals are subject to interference from physical objects, walls, appliances, and other electronic devices operating on the same frequency."

"Microwave ovens and cordless phones are common sources of interference for Wi-Fi networks." In this case, the user's proximity to the kitchen is causing interference, not access control or standards issues.

Reference:

-

NEW QUESTION: 186

An employee attempts to install software on a PC. A prompt to enter a username and password appears on-screen. The employee then receives an "access denied" message and cannot install the software. Which of the following types of access would allow the employee to accomplish this task?

- A. Least privilege
- B. Administrator
- C. Single factor
- D. User

Answer: (SHOW ANSWER)

Installing software typically requires administrator-level access, which grants permission to make system changes.

NEW QUESTION: 187

A user lives in a remote area that does not have cabling or towers available. The user wants to connect to the internet. Which of the following is the best solution?

- A. Fiber optic
- B. IDSL
- C. Cellular
- D. Satellite

Answer: D (LEAVE A REPLY)

For locations without cable or cellular towers, satellite internet is the most viable solution. Satellite does not require terrestrial infrastructure beyond a dish and has global coverage. "Satellite is often used in remote or rural locations where wired and cellular connectivity is not available. It uses a dish to communicate with orbiting satellites for internet access." - CompTIA ITF+ Curriculum Fiber optic and IDSL require ground cabling. Cellular requires nearby towers, which the scenario rules out. Correct answer: D. Satellite

NEW QUESTION: 188

Which of the following units of measurement is the largest?

- A. GB
- B. TB
- C. PB
- D. MB

Answer: C (LEAVE A REPLY)

The units from smallest to largest are:

MB (Megabyte)

GB (Gigabyte)

TB (Terabyte)

PB (Petabyte)

Thus, PB (Petabyte) is the largest unit listed.

"Data storage is measured in bytes, with increasing units from kilobytes (KB) to megabytes (MB), gigabytes (GB), terabytes (TB), and petabytes (PB)." - CompTIA ITF+ Study Guide

Correct answer: C

NEW QUESTION: 189

Which of the following devices extends the range of a network?

A. Modem

B. Server

C. Host firewall

D. Access point

Answer: D (LEAVE A REPLY)

An access point extends the range of a wireless network by allowing more devices to connect and by covering additional physical areas. The other options serve different purposes:

*Modem connects to the internet,

*Server provides services,

*Host firewall protects a device but does not extend network range.

NEW QUESTION: 190

A user downloads a file from a public server. Which of the following should the user check to ensure the file contents are unchanged?

A. Confidentiality

B. Authentication

C. Availability

D. Integrity

Answer: D (LEAVE A REPLY)

The correct answer is D. Integrity. The phrase "contents are unchanged" directly refers to whether data has remained accurate, consistent, and unaltered. In security, integrity is the principle that protects data from unauthorized or accidental modification. Confidentiality is about keeping private data from unauthorized viewing. Authentication verifies identity.

Availability ensures systems or data can be accessed when needed.

Only integrity matches checking that a downloaded file has not changed.

Exact Extract/Reference: The Tech+ Study Guide explains that integrity means "the data is accurate and consistent and from the indicated source," and identifies data integrity concerns such as unauthorized information alteration. The guide's summary also states that integrity is ensuring data is "true and correct."

NEW QUESTION: 191

Which of the following best describes the process of comparing MD5 values after downloading software?

- A. Verifying encryption
- B. Safe browsing practices
- C. Patching and updating
- D. Validating legitimate sources

Answer: D ([LEAVE A REPLY](#))

The process of comparing MD5 values (hashes) after downloading software is primarily used to validate that the software source is legitimate and the file has not been altered or corrupted during download. MD5 is a widely used cryptographic hash function that produces a 128-bit hash value. By comparing the MD5 hash provided by the software distributor with the hash of the downloaded file, you can verify that the file is exactly what the distributor intended to deliver, without any modifications, whether malicious or accidental.

NEW QUESTION: 192

A database administrator creates an outline for a database structure. Which of the following did the administrator create?

- A. Table
- B. Row
- C. Schema
- D. Column

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 193

A programmer wants to write code that will be more efficient when executed at runtime. Which of the following language types should the programmer use?

- A. Markup
- B. Compiled
- C. Query
- D. Scripting

Answer: (SHOW ANSWER)

Compiled languages are transformed into machine code before runtime, resulting in faster and more efficient execution compared to interpreted scripting languages.

NEW QUESTION: 194

A user is typing a document using a keyboard. Which of the following describes this action?

- A. Input
- B. Storage

C. Output

D. Processing

Answer: A (LEAVE A REPLY)

A keyboard allows a user to enter data into a system:

* "Input devices allow users to provide data or control signals to the computer; keyboards are primary examples."

* Storage saves data, output displays data, and processing handles data operations.

Reference: CompTIA ITF+ FC0-U71 Official Study Guide, Chapter 5 - Input and Output Devices.

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