



Free Questions for 220-1101

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Question 1

Question Type: MultipleChoice

A user is unable to browse any web pages. However, the user can ping the IP address 8.8.4.4. Which of the following is most likely causing the issue?

Options:

- A- The user does not have permission to view the website.
- B- The website is offline and not responding.
- C- The DNS settings are not configured on the user's device.
- D- The DHCP server is not reachable from the user's device.

Answer:

C

Explanation:

Since the user can ping 8.8.4.4 (an external IP address) but is unable to browse web pages, it indicates that the DNS (Domain Name System) settings may be incorrect or not configured. The DNS system is crucial for translating human-friendly domain names into IP addresses. If DNS settings are incorrect, the browser cannot resolve domain names, thus web pages will not load despite the network itself being reachable via IP. The other options are less likely as they would affect connectivity to external IP addresses or the availability of specific websites.

Reference: CompTIA A+ Core 1 (220-1101) exam objectives in the networking section, specifically relating to DNS and IP configurations.

Question 2

Question Type: MultipleChoice

A user keeps a company-provided camera's battery charger plugged into a docking station at a desk. Company policy requires that USB devices be identified and approved by

installed peripheral security software. A technician is unable to add a unique identifier to the battery charger's security software. Which of the following should the technician do?

Options:

- A- Provide a USB to AC adapter for the battery charger.
- B- Add a powered USB hub to the docking station.
- C- Disable the peripheral security software for this user only.
- D- Replace the battery charger with a USB device that has a unique identifier.

Answer:

A

Explanation:

The problem in this scenario is that the battery charger is not a USB device, but a device that plugs into a USB port to draw power. Therefore, it does not have a unique identifier that can be recognized by the peripheral security software, which is designed to prevent unauthorized USB devices from accessing the company's network or data.

a. The security software cannot add the battery charger to its whitelist, and may block its power supply or generate alerts.

The best solution for this problem is to provide a USB to AC adapter for the battery charger, which is a device that converts the USB power output to an AC power input that can be plugged into a wall outlet. This way, the battery charger does not need to connect to the docking station or the computer, and does not trigger the peripheral security software. The user can still charge the camera's battery without compromising the company's security policy.

The other options are not advisable because they either do not solve the problem or create new risks. Option B, adding a powered USB hub to the docking station, may not work if the security software also monitors the hub's ports and detects the battery charger as an unknown device. Option C, disabling the peripheral security software for this user only, is a very bad idea because it exposes the user's computer and the company's network to potential attacks from malicious USB devices. Option D, replacing the battery charger with a USB device that has a unique identifier, is unnecessary and costly, and may not be compatible with the camera's battery.

[CompTIA A+ Core 1 \(220-1101\) Certification Study Guide, Chapter 9: Security, Section 9.3: Device Security, Page 419](#)

[CompTIA A+ Core 1 \(220-1101\) and Core 2 \(220-1102\) Pearson uCertify Course and Labs and Textbook Bundle, Chapter 9: Security, Section 9.3: Device Security, Page 420](#)

[CompTIA A+ Core 1 \(220-1101\) and Core 2 \(220-1102\) Exam Cram, Chapter 9: Security, Section 9.3: Device Security, Page 402](#)

Question 3

Question Type: MultipleChoice

Which of the following protocols can be used to securely access a remote network to troubleshoot various devices?

Options:

- A- FTP
- B- RDP
- C- SSH
- D- TFTP



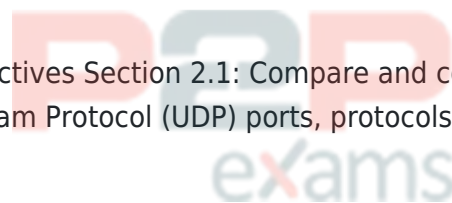
Answer:

C

Explanation:

Secure Shell (SSH) is a protocol used to securely access and manage devices over a network. It provides a secure channel over an unsecured network in a client-server architecture, enabling technicians to perform troubleshooting and management tasks remotely with encryption to ensure the security of the data transmitted. FTP and TFTP are used for file transfers and do not inherently provide the same level of security or direct device management capabilities. RDP is used for remote desktop connections but is not as universally applicable for various devices as SSH.

CompTIA A+ Core 1 Exam Objectives Section 2.1: Compare and contrast Transmission Control Protocol (TCP) and User Datagram Protocol (UDP) ports, protocols, and their purposes.



Question 4

Question Type: MultipleChoice

Which of the following protocols is the most appropriate to use for inventory tracking in a small warehouse?

Options:

- A- Near-field communication
- B- Radio-frequency identification
- C- Bluetooth
- D- 802.11

Answer:

B

Explanation:

Radio-frequency identification (RFID) is the most appropriate protocol to use for inventory tracking in a small warehouse. RFID is a technology that uses radio waves to identify and track objects that have RFID tags attached to them. RFID tags are small devices that store information about the object, such as its name, serial number, location, or status. RFID tags can be passive, which means they do not have a battery and rely on the radio signal from the reader to power them, or active, which means they have a battery and can transmit their own signal. RFID readers are devices that can scan the RFID tags and read the information stored on them.

RFID is suitable for inventory tracking in a small warehouse because it can provide several benefits, such as:

Faster and more accurate scanning: RFID tags can be scanned without direct line of sight, unlike barcodes, and can be scanned in bulk, unlike QR codes. This means that RFID readers can scan multiple items at once, even if they are inside boxes or containers, and reduce the time and errors involved in manual scanning.

Real-time visibility and control: RFID tags can be updated with the latest information about the inventory, such as its location, quantity, or condition. This means that RFID readers can provide real-time data and feedback on the inventory status, such as its availability, movement, or expiration. This can help improve inventory management, optimize warehouse space, and prevent stockouts or overstocking.

Enhanced security and quality: RFID tags can be encrypted and authenticated, unlike barcodes or QR codes, which can be easily copied or tampered with. This means that RFID tags can prevent unauthorized access or theft of the inventory, and ensure its authenticity and quality. This can help protect the inventory from damage, loss, or fraud, and increase customer satisfaction and trust.

[Inventory Tracking Simplified: Steps, Methods and Efficiency Tips1](#)

[17 Essential Inventory Management Techniques -- Forbes Advisor2](#)

[Inventory Tracking vs Inventory Traceability - Kardex3](#)

Question 5

Question Type: MultipleChoice

A technician is setting up a projector for a videoconferencing system. The laptop that the technician is using is set to the correct resolution. The projector is receiving a signal, but the image is distorted. Which of the following most likely explains the issue?

Options:

- A- The projector's aspect ratio is set incorrectly.
- B- The laptop's video card has failed.
- C- The projector's bulb is burned out.
- D- The display brightness needs to be adjusted.

Answer:

A

Explanation:

The most likely explanation for the distorted image on the projector is that the projector's aspect ratio is set incorrectly. The aspect ratio is the ratio of the width to the height of the image, and it affects how the image is displayed on the screen. If the aspect ratio of the projector does not match the aspect ratio of the laptop, the image may appear stretched, squashed, cropped, or letterboxed.

To fix the distorted image, the technician should follow these steps:

Check the aspect ratio of the laptop and the projector. The aspect ratio of the laptop can be found in the display settings of the operating system, such as Windows or Mac OS. The aspect ratio of the projector can be found in the user manual or the on-screen menu of the projector. Common aspect ratios are 4:3, 16:9, and 16:10.

Adjust the aspect ratio of the projector to match the aspect ratio of the laptop. The technician can use the remote control or the buttons on the projector to access the on-screen menu and select the appropriate aspect ratio option. Some projectors may have a dedicated aspect ratio button on the remote control or the projector itself.

Verify that the image is displayed correctly on the screen. The technician can use the zoom, focus, or keystone buttons on the projector or the remote control to fine-tune the image quality and alignment.

[How to Fix Projector Display Problems - Projectors Tab1](#)

[Correcting Distorted Projector Images - Projector Repair World Hyd2](#)

[How to Adjust the Aspect Ratio on a Projector - Lifewire](#)

Question 6

Question Type: MultipleChoice

A user reports that a laser printer's toner does not stick to the paper. The user has tried multiple brands of paper and is unable to print legible documents. Which of the following should be replaced to ensure proper printouts?

Options:

- A- Fuser unit
- B- Toner distribution sensor
- C- Paper charge transformer
- D- Toner cartridge

Answer:

A

Explanation:

In laser printing, the fuser unit is responsible for bonding the toner to the paper using heat and pressure. If the toner is not sticking to the paper, resulting in illegible documents despite trying different brands of paper, it indicates a problem with the fuser unit. It might not be reaching the necessary temperature to melt the toner properly, necessitating its replacement to ensure proper printouts.

CompTIA A+ Core 1 Exam Objectives Section 3.7: Given a scenario, install and replace printer consumables.

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