



CompTIA A+ 220-1201 Practice Questions

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Question 1

Question Type: MultipleChoice

A company needs to keep a record of tasks performed by an application. Which of the following should the company most likely implement as part of a solution?

Options:

- A- Fileshare
- B- Syslog
- C- Database
- D- SAN



Answer:

B

Explanation:

Syslog is used to log system events and tasks performed by applications, providing a centralized record of activity.

Why Not A (Fileshare): Fileshares store files but are not designed for event logging.

Why Not C (Database): Databases can store logs but are not a logging mechanism themselves.

Why Not D (SAN): A SAN is a storage solution, not a logging tool.

CompTIA A+ Exam Reference: Core 1 (220-1201), Section 2.6, system monitoring and logging.



Question 2

Question Type: MultipleChoice

A company is separating its accounting department's network from its customer service department's network. Which of the following will accomplish this task?

Options:

- A- VPN
- B- DNS
- C- VLAN
- D- DHCP

Answer:

C

Explanation:

Comprehensive and Detailed Explanation From Exact Extract (Aligned With CompTIA A+ 220-1201 Study Guide)

CompTIA networking fundamentals describe VLANs (Virtual Local Area Networks) as a method to segment network traffic logically, even while using the same physical switch hardware.

A VLAN allows a company to:

Separate traffic by department

Improve security

Reduce broadcast domains

Control inter-department access

To separate accounting and customer service networks, VLANs are the industry-standard and the CompTIA-approved method.

Why the other options are incorrect

A . VPN -- Used for secure remote connections, not internal LAN segmentation.

B . DNS -- Resolves hostnames to IPs, not used for network separation.

D . DHCP -- Assigns IP addresses; does not isolate network groups.

Final Answer: C

Question 3

Question Type: MultipleChoice

Which of the following is an isolated virtual machine?

Options:

- A- Sandbox
- B- Hypervisor
- C- Container
- D- VDI

Answer:

A

Explanation:

A sandbox is an isolated virtual environment, often used for testing code or software safely without affecting the host system.

From CompTIA A+ 220-1101 Official Study Guide, Objective 3.7 -- Virtualization:

"A sandbox provides an isolated environment, often implemented as a virtual machine, to safely test applications or code."

Verified Source:

CompTIA A+ Core 1 (220-1101) Official Study Guide, Chapter 3: Virtualization

CompTIA Exam Objectives 220-1101, Domain 3.7

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Question 4

Question Type: MultipleChoice

A server that is crucial for daily operations is experiencing degraded performance. Upon investigation, a technician sees that one of the drives in a RAID 5 configuration shows a failure alert. The system must remain online during business hours, and the controller does not support hot swapping. Which of the following should the technician do to solve the issue?

Options:

- A- Update the RAID controller firmware to support hot swapping
- B- Implement a software-based RAID solution
- C- Change the drive during off-peak hours
- D- Replace the drive with a cold-swappable drive

Answer:

D

Explanation:

The correct answer is D. Replace the drive with a cold-swappable drive.

According to CompTIA A+ Core 1 220-1201 objectives under Storage and RAID:

RAID 5 provides both data striping and parity for fault tolerance, but if the RAID controller does not support hot swapping, replacing a failed drive while the system is running is not possible.

Cold-swappable drives are designed to be safely removed and replaced when the system is powered down, which allows maintenance without damaging the array or system.

Why the other options are incorrect:

A . Update the RAID controller firmware to support hot swapping: Firmware updates may add hot swap functionality, but this is not guaranteed and may require a system reboot.

B . Implement a software-based RAID solution: Software RAID requires a system reconfiguration and downtime; it does not immediately resolve the degraded RAID 5 array.

C . Change the drive during off-peak hours: While feasible, this is essentially the same as using a cold-swappable drive but is less precise; using cold-swappable drives ensures safe replacement without downtime considerations.

CompTIA A+ Core 1 (220-1201) Exam Objectives -- Storage: "Given a scenario, troubleshoot RAID issues including failed drives, degraded arrays, and drive replacement procedures."

Question 5

Question Type: MultipleChoice

A human resources department uses a network shared with other departments to produce a variety of printed resources for legal retention. The human resources department only wants its members to have access to these materials. Which option best should the technician implement?

Options:

A- Security groups

- B- Audit logs
- C- Time-of-day access
- D- Print server

Answer:

A

Explanation:

Security groups are used to manage access permissions to network resources, ensuring only authorized HR department members can access the shared materials.

Why Not B (Audit logs): Audit logs monitor activity but do not restrict access.

Why Not C (Time-of-day access): Time-of-day access limits when users can access resources but doesn't specify user permissions.

Why Not D (Print server): A print server manages print jobs but does not control file access.

CompTIA A+ Exam Reference: Core 2 (220-1102), Section 2.5, access control and permissions.

Question 6

Question Type: MultipleChoice

Which of the following involves installing an application on a server so several users can run the application concurrently without the need for local installation?

Options:

- A- Client virtualization
- B- Software as a service
- C- Sandboxing
- D- Embedded software

Answer:

A

Explanation:

Client virtualization involves installing an application on a server and enabling multiple users to run the application simultaneously via virtualized sessions. This eliminates the need for individual installations on local machines.

Why Not B (Software as a Service): SaaS delivers software over the internet and does not require local installations but is managed by a third party, not the organization itself.

Why Not C (Sandboxing): Sandboxing is for isolating applications for security testing, not for concurrent user access.

Why Not D (Embedded software): Embedded software is installed on hardware devices, not shared across multiple users.

CompTIA A+ Exam Reference: Core 1 (220-1201), Section 4.2, virtualization concepts.

Question 7

Question Type: MultipleChoice

Which option best statements best summarize managed vs unmanaged switches? (Choose two).

Options:

- A- Unmanaged switches are generally more expensive
- B- Unmanaged switches have more security capabilities
- C- Unmanaged switches start working as soon as they are plugged in to the network
- D- Managed switches have more features
- E- Managed switches require no configuration
- F- Managed switches consume less power

Answer:

C, D

Explanation:

Unmanaged switches require no configuration they simply need to be plugged in and start working immediately, making them ideal for simple network setups.

Managed switches provide advanced features such as VLANs, SNMP monitoring, port security, and traffic management, but require configuration.

From CompTIA A+ 220-1101 Official Study Guide, Objective 2.2 -- Compare and contrast common networking hardware:

"Unmanaged switches operate out of the box with no configuration and are designed for simple connectivity. Managed switches allow for configuration, monitoring, and management of network traffic and security."

Verified Source:

CompTIA A+ Core 1 (220-1101) Official Study Guide, Chapter 2: Networking Hardware

CompTIA Exam Objectives 220-1101, Domain 2.2

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Question 8

Question Type: MultipleChoice

A user on the edge of a building reports slow Wi-Fi and intermittent drops. Which action will solve the issue?

Options:

- A- Enable the 5GHz band
- B- Run ipconfig /flushdns
- C- Upgrade laptop to Wi-Fi 6 NIC
- D- Install additional wireless APs around the location

Answer:

D

Explanation:

Wireless coverage issues at the physical edges of a building are typically caused by weak RF signal strength. The CompTIA A+ study material says the best solution is to add additional wireless access points (APs) or implement a mesh system to extend coverage and eliminate dead zones.

Enabling 5GHz often worsens the issue because 5GHz has shorter range. Wi-Fi 6 NIC upgrades improve performance but do not increase signal reach. Flushing DNS does not affect wireless coverage.

Installing more APs ensures stronger coverage, better signal-to-noise ratio, and stable connectivity aligning with CompTIA's wireless troubleshooting best practices.



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