

# CompTIA

## Exam Questions 220-1201

CompTIA A+ Certification Exam: Core 1



### NEW QUESTION 1

- (Topic 1)

A technician is working on a RAID 1 array that is apparently degraded. The technician verifies the RAM and power are both operating as expected. Which of the following can the technician do to further isolate the issue?

- A. Perform individual drive diagnostics.
- B. Run the chkdsk /i command.
- C. Rebuild the RAID array.
- D. Reconfigure the array as RAID 0.

**Answer:** A

#### Explanation:

Comprehensive and Detailed In-Depth Explanation:

A degraded RAID 1 array usually means one of the drives has failed or is failing. The correct next step is to run diagnostics on each drive to identify the faulty one.

RAID 1 uses mirroring, so one good drive should still contain all the data.

? Option B: chkdsk checks file system integrity, not hardware drive health.

? Option C: Rebuilding should only occur after identifying and replacing a faulty drive.

? Option D: RAID 0 offers no redundancy and would destroy data in this context. CompTIA A+ Core 1 Exam Objective Reference:

? Objective 3.5: Given a scenario, troubleshoot problems related to storage devices.

### NEW QUESTION 2

- (Topic 1)

A user joins a conference call with a Bluetooth headset. Which of the following has the user created?

- A. MAN
- B. PAN
- C. SAN
- D. WAN

**Answer:** B

#### Explanation:

\* B. PAN (Personal Area Network):

A PAN is a network established between devices in close proximity, such as between a smartphone and a Bluetooth headset.

Bluetooth technology is specifically designed for short-range communication, making it a type of PAN.

Incorrect Options:

\* A. MAN (Metropolitan Area Network): A MAN covers a city or metropolitan area and is not relevant to Bluetooth connections.

\* C. SAN (Storage Area Network): A SAN is used for large-scale data storage, unrelated to Bluetooth connections.

\* D. WAN (Wide Area Network): A WAN spans large geographical areas (e.g., the internet) and is not relevant to this scenario.

Key Takeaway: Bluetooth connections, such as those between a headset and a device, create a Personal Area Network (PAN).

Reference: CompTIA A+ Core 1 Exam Objectives (220-1201), Domain 2.1 – Network types and their features.

### NEW QUESTION 3

- (Topic 1)

Several storms cause mission-critical servers to go offline unexpectedly. A server also goes offline suddenly due to hardware failure. Upon assessment, the company purchases new UPSs to condition power and allow the OSs to shut down gracefully in the event of a power failure. However, the UPSs are delayed due to supply chain issues. Which of the following can balance a cost-effective solution with uptime requirements?

- A. Purchasing backup generators
- B. Increasing input voltage
- C. Installing redundant PSUs
- D. Activating a hot site

**Answer:** C

#### Explanation:

\* C. Installing redundant PSUs (Power Supply Units):

Redundant PSUs provide fault tolerance by ensuring that if one power supply fails, another will take over seamlessly.

This is a cost-effective way to increase uptime while waiting for the UPSs to arrive. Incorrect Options:

\* A. Purchasing backup generators: Generators are costly and are typically used for long-term outages, not as an immediate or cost-effective solution.

\* B. Increasing input voltage: This is not a practical solution to hardware failures or power issues.

\* D. Activating a hot site: A hot site is an expensive, fully operational backup facility that would not be a cost-effective solution for this scenario.

Key Takeaway: Installing redundant PSUs is a cost-effective way to balance uptime requirements in case of power or hardware failure.

Reference: CompTIA A+ Core 1 Exam Objectives (220-1201), Domain 5.3 – Power-related troubleshooting.

### NEW QUESTION 4

- (Topic 1)

The output from a dot matrix printer has become lighter over time. Which of the following should a technician do to fix the issue?

- A. Clean the printhead.
- B. Replace the ribbon.
- C. Install a maintenance kit.
- D. Calibrate the alignment.

**Answer:** B

**Explanation:**

Comprehensive and Detailed In-Depth Explanation:

Dot matrix printers use an inked ribbon that physically contacts the paper through tiny pins. Over time, the ribbon wears out or dries up, resulting in faded or light print output. Replacing the ribbon restores print quality.

? Option A: Cleaning helps with image clarity, not ink density.

? Option C: Maintenance kits apply to laser printers, not dot matrix.

? Option D: Calibration affects print position, not darkness. CompTIA A+ Core 1 Exam Objective Reference:

? Objective 3.7: Given a scenario, troubleshoot common printer problems.

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**NEW QUESTION 5**

- (Topic 1)

When turning on a workstation, a technician observes the following message: "Bootable device not found."

The technician verifies the correct boot order in the BIOS. Which of the following steps should the technician take next?

A. Reformat the HDD.

B. Run HDD diagnostics.

C. Reseat the RAM.

D. Replace the HDD.

**Answer: B**

**Explanation:**

Comprehensive and Detailed In-Depth Explanation:

If the system reports "Bootable device not found", and the BIOS is configured correctly, the next step is to run diagnostics on the hard drive to check for physical or logical failure. It could be a sign of a failing drive or corrupt boot sector.

? Option A: Reformatting the drive would erase data — not a diagnostic step.

? Option C: RAM does not affect whether a drive is bootable.

? Option D: Replacing the drive should only be done after diagnostics confirm failure. CompTIA A+ Core 1 Exam Objective Reference:

? Objective 3.5: Given a scenario, troubleshoot problems related to storage devices.

**NEW QUESTION 6**

- (Topic 1)

A technician wants to monitor network statistics for devices communicating with one another on the local subnet. Which of the following devices should the technician install?

A. Managed switch

B. Router

C. Access point

D. Firewall

**Answer: A**

**Explanation:**

A managed switch provides advanced features such as traffic monitoring and VLAN configuration, allowing a technician to view network statistics for devices on the local subnet.

Why Not B (Router): A router connects different networks and directs traffic between them but does not provide detailed subnet-level statistics.

Why Not C (Access point): Access points provide wireless connectivity but lack traffic monitoring features.

Why Not D (Firewall): A firewall filters traffic but is not used for monitoring detailed statistics on a local subnet.

CompTIA A+ Exam Reference: Core 1 (220-1201), Section 2.6, network monitoring tools.

**NEW QUESTION 7**

- (Topic 1)

Which of the following tools would a technician use to connect wires to an RJ45 connector?

A. Crimper

B. Cable stripper

C. Punchdown

D. Loopback plug

**Answer: A**

**Explanation:**

Comprehensive and Detailed Explanation From Exact Extract:

A crimper is specifically used to attach RJ45 connectors to the ends of network cables. It presses the connector pins into the cable's wires, establishing a secure electrical

connection. A punchdown tool is used for wiring patch panels or keystone jacks, not for attaching connectors.

Reference: "CompTIA A+ Complete Study Guide" by Quentin Docter – Chapter 3, "Cables and Connectors", page 162. Also outlined in the 220-1201 objectives under 3.1.

**NEW QUESTION 8**

- (Topic 1)

A technician has just installed a new SSD into a computer, but the drive is not appearing. Which of the following is most likely the reason's?

A. The SSD is faulty and should be replaced by the manufacturer

B. The SSD has not been properly formatted and is not readable

C. The SSD is incompatible with the motherboard

D. The SSD has not been installed properly and should be reseated

**Answer:** D

**Explanation:**

Improper seating is the most common reason an SSD isn't recognized. Ensuring it is correctly connected resolves the issue.

Why Not A (Faulty SSD): A faulty SSD is possible but less likely than an installation issue. Why Not B (Not formatted): Formatting affects data usability, not drive detection.

Why Not C (Incompatibility): SSD compatibility issues are rare with modern hardware. CompTIA A+ Exam Reference: Core 1 (220-1201), Section 3.3, storage troubleshooting.

**NEW QUESTION 9**

- (Topic 1)

A recently installed printer is incorrectly aligning printed documents Which of the following should the technician do first to fix this issue?

- A. Run the maintenance application.
- B. Clean the rollers
- C. Upgrade the firmware
- D. Reinstall the drivers

**Answer:** A

**Explanation:**

\* A. Run the maintenance application:

Most modern printers include a built-in maintenance application that can calibrate the print heads and correct alignment issues. Running this tool is the first step to address misalignment.

Incorrect Options:

\* B. Clean the rollers: Cleaning rollers is typically done to resolve paper feed or jamming issues, not alignment problems.

\* C. Upgrade the firmware: While updating firmware is beneficial for performance improvements, it is not the first step for fixing alignment.

\* D. Reinstall the drivers: Misaligned printing is usually hardware-related, not a driver issue. Key Takeaway: The maintenance application should be run first to resolve alignment issues in a newly installed printer.

Reference: CompTIA A+ Core 1 Exam Objectives (220-1201), Domain 5.5 – Printer troubleshooting.

**NEW QUESTION 10**

- (Topic 1)

Which of the following services is used to allocate IP addresses in an enterprise-wide environment?

- A. DNS
- B. Syslog
- C. Telnet
- D. DHCP

**Answer:** D

**Explanation:**

Dynamic Host Configuration Protocol (DHCP) is a network service used to automatically assign IP addresses and other network configuration details (such as subnet masks and default gateways) to devices on an enterprise-wide network.

Why Not A (DNS): DNS resolves domain names to IP addresses but does not allocate IP addresses.

Why Not B (Syslog): Syslog is used for logging system events, not IP address management.

Why Not C (Telnet): Telnet is a protocol for remote access, not for IP allocation. CompTIA A+ Exam Reference: Core 1 (220-1201), Section 2.6, DHCP concepts.

**NEW QUESTION 10**

- (Topic 1)

Which of the following DNS record types is used to direct email to a mail server?

- A. CNAME
- B. SRV
- C. MX
- D. SOA

**Answer:** C

**Explanation:**

An MX (Mail Exchange) record specifies the mail server responsible for receiving email for a domain.

Why Not A (CNAME): CNAME is used for domain aliasing, not for email delivery. Why Not B (SRV): SRV records are used to locate specific services, not mail servers.

Why Not D (SOA): SOA records provide domain information but do not handle email. CompTIA A+ Exam Reference: Core 1 (220-1201), Section 2.6, DNS record types.

**NEW QUESTION 12**

- (Topic 1)

Which of the following DNS records would an administrator change to redirect email flow?

- A. MX
- B. TXT
- C. SPF
- D. CNAME

**Answer:** A

**Explanation:**

Comprehensive and Detailed In-Depth Explanation:

AnMX (Mail Exchange) record defines which mail servers are responsible for receiving email for a domain. If you want to change or redirect email traffic, the MX record must be updated with the correct server information.

? Option B (TXT): Stores text-based info — used for SPF, DKIM, etc.

? Option C (SPF): Part of email authentication stored in a TXT record; doesn't redirect traffic.

? Option D (CNAME): Alias for another domain name — not used for email routing. CompTIA A+ Core 1 Exam Objective Reference:

? Objective 2.4: Compare and contrast common networking hardware.

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#### NEW QUESTION 14

- (Topic 1)

A customer needs to install a new printer in their network. The customer reports that users had intermittent connectivity issues with previous printers. Which of the following should the technician configure on the new printer to prevent this issue?

- A. Gateway IP address
- B. DHCP IP address
- C. Static IP address
- D. Public IP address

**Answer:** C

#### Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

Intermittent connectivity issues with network printers are commonly caused by changing IP addresses when using DHCP. Assigning a static IP address ensures that the printer is always reachable at the same IP address by client machines.

Reference: "CompTIA A+ Complete Study Guide" by Quentin Docter – Chapter 4, "Printers and Multifunction Devices", page 241.

#### NEW QUESTION 15

- (Topic 1)

A technician is troubleshooting an all-in-one laser printer that prints a vertical line when making copies and scans. When users print or receive faxes, the output from the printer is correct. Which of the following should the technician examine to determine the cause of the issue?

- A. The pickup rollers
- B. The corona wire
- C. The document feeder
- D. The drum assembly

**Answer:** C

#### Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

Since the issue only occurs during scanning and copying (not printing or faxing), the problem is isolated to the document feeder. A vertical line is typically caused by debris or damage on the glass under the ADF (Automatic Document Feeder), not on components related to printing.

Reference: "CompTIA A+ Complete Study Guide" by Quentin Docter – Chapter 4, page 261.

#### NEW QUESTION 20

- (Topic 1)

An SAS RAID array has severely degraded and gone offline. A systems administrator examines the syslog, and the point of failure is not obvious. Which of the following techniques should the administrator use to identify the issue (Select two)?

- A. Run a magnet over each drive.
- B. Check if one of the drives is not level
- C. Listen for clicking and grinding noises
- D. Check the OS logs
- E. Update the RAID controller firmware.
- F. Check the historical SMART data

**Answer:** CF

#### Explanation:

Clicking and grinding noises indicate mechanical drive failure.

SMART data provides insights into the health and status of drives, helping identify failing components in the RAID array.

Why Not A (Run a magnet): This would damage drives.

Why Not B (Check if one drive is not level): Physical leveling is irrelevant.

Why Not D (Check OS logs): OS logs may provide limited information for RAID arrays. Why Not E (Update RAID controller firmware): While important, it does not diagnose drive failure.

CompTIA A+ Exam Reference: Core 1 (220-1201), Section 3.3, storage troubleshooting.

#### NEW QUESTION 21

- (Topic 1)

A user prints a spreadsheet in duplex mode. The spreadsheet is difficult to read because some of the columns spill onto the second side of the page. Which of the following should the user do to prevent the issue but still print on both sides of the page?

- A. Turn off duplex printing.
- B. Try a smaller font size in the spreadsheet.
- C. Change the page orientation.
- D. Use a different print driver.

**Answer:** C

**Explanation:**

Comprehensive and Detailed In-Depth Explanation:

Changing the page orientation(e.g., fromportrait to landscape) allows wider columns to fit on one side of the page. This maintains readability while continuing to use duplex printing.

? Option A:Disabling duplex defeats the goal of printing on both sides.

? Option B:May help, but could make the document harder to read if the font is too small.

? Option D:Unlikely to resolve formatting issues related to layout and dimensions. CompTIA A+ Core 1 Exam Objective Reference:

? Objective 3.7: Given a scenario, troubleshoot common printer problems.

**NEW QUESTION 26**

- (Topic 1)

Which of the following storage options would a technician most likely recommend to have large amounts of affordable capacity without concern for read times on a desktop computer?

- A. 750GB NVMe M.2 SSD
- B. 2x 1TB PCIe SSD in RAID 1
- C. 2TB SATA 3.5" 5,400rpm HDD
- D. 4TB SAS 2.5" 15,000rpm HDD

**Answer: C**

**Explanation:**

Comprehensive and Detailed In-Depth Explanation:

If performance is not a primary concern and the user requires large, cost-effective storage, a 2TB 5400rpm SATA HDD is ideal. It offers high capacity at a lower price point than SSDs and faster HDDs.

? Option A:NVMe drives offer exceptional speed but are significantly more expensive per GB and not necessary when read/write speed is not a concern.

? Option B:RAID 1 improves redundancy but cuts usable capacity in half and uses expensive SSDs.

? Option D:SAS drives are fast and reliable but are enterprise-grade and expensive — overkill for desktop use.

CompTIA A+ Core 1 Exam Objective Reference:

? Objective 1.3: Given a scenario, install and configure storage devices.

**NEW QUESTION 28**

- (Topic 1)

Which of the following display characteristics would be most important to ensure screen images appear the same as printed output?

- A. Color gamut
- B. Pixel density
- C. Refresh rate
- D. Resolution

**Answer: A**

**Explanation:**

Color gamut refers to the range of colors a display can accurately reproduce. For tasks like graphic design or photo editing, ensuring the screen's colors match the printed output is critical. Monitors with wide and accurate color gamuts (e.g., Adobe RGB) are preferred for these applications.

Option B (Pixel density): Incorrect. Pixel density affects image sharpness, not color accuracy.

Option C (Refresh rate): Incorrect. Refresh rate impacts motion smoothness but is unrelated to color matching.

Option D (Resolution): Incorrect. Resolution determines clarity and detail but does not influence color accuracy.

References:

CompTIA A+ Core 1 Objectives: 1.2 (Display types and characteristics)

**NEW QUESTION 29**

- (Topic 1)

A technician needs to select PC components with a minimal number of visible internal cables. Which of the following should the technician use?

- A. SATA drive connections
- B. Liquid cooling
- C. Modular power supply
- D. Wireless NIC

**Answer: C**

**Explanation:**

Comprehensive and Detailed In-Depth Explanation:

A modular power supply allows a technician to connect only the power cables that are needed, reducing clutter and improving airflow. This is ideal when aiming for a clean build with minimal visible internal cables.

? Option A (SATA drive connections): Still require both power and data cables, adding to cable count.

? Option B (Liquid cooling): May reduce some bulk from large air coolers, but adds tubing and still needs cabling.

? Option D (Wireless NIC): Adds wireless capability but has no relation to internal cabling cleanliness.

CompTIA A+ Core 1 Exam Objective Reference:

? Objective 3.3: Given a scenario, apply the appropriate PC configuration.

**NEW QUESTION 30**

- (Topic 1)

Which of the following is a Bluetooth network an example of?

- A. PAN
- B. LAN
- C. WAN
- D. SAN

**Answer:** A

**Explanation:**

Comprehensive and Detailed Explanation From Exact Extract:

Bluetooth is a wireless technology designed for short-range communication between devices. It is a classic example of a Personal Area Network (PAN), which supports communication between devices like smartphones, headsets, keyboards, and mice within a few meters. PANs are smaller in scope compared to LANs or WANs.

Reference: "CompTIA A+ Complete Study Guide" by Quentin Docter – Chapter 5, "Networking Fundamentals", page 275.

**NEW QUESTION 33**

- (Topic 1)

Which of the following devices is used to implement ACL polices for an environment?

- A. Managed switch
- B. Gateway
- C. Repeater
- D. Firewall

**Answer:** D

**Explanation:**

A firewall implements ACLs (Access Control Lists) to filter traffic and enforce policies based on rules such as IP address, port, or protocol.

Why Not A (Managed switch): A managed switch supports VLANs and QoS but does not enforce ACLs at the network perimeter.

Why Not B (Gateway): Gateways connect networks and translate protocols but don't typically implement ACLs.

Why Not C (Repeater): Repeaters extend signal range but don't enforce policies. CompTIA A+ Exam Reference: Core 1 (220-1201), Section 2.2, firewall concepts.

**NEW QUESTION 38**

- (Topic 1)

A user returns from a trip and discovers a computer that is connected to the LAN times out intermittently Upon investigation, a technician finds the RJ45 pin is not property terminated Which of the following networking tools is most appropriate to fix the issue?

- A. Toner probe
- B. Cable tester
- C. Punchdown
- D. Crimper

**Answer:** D

**Explanation:**

\* D. Crimper:

A crimper is used to terminate an RJ45 cable properly by attaching the connector to the twisted-pair wires.

If the termination is not done correctly, the connection will be intermittent or fail entirely. Incorrect Options:

\* A. Toner probe: Used to locate cables or trace their path, not for terminating RJ45 connectors.

\* B. Cable tester: Useful for testing connectivity but does not fix termination issues.

\* C. Punchdown: Used to connect wires to a patch panel or keystone jack, not for RJ45 connectors.

Key Takeaway: A crimper is the proper tool for fixing an improperly terminated RJ45 connection.

Reference: CompTIA A+ Core 1 Exam Objectives (220-1201), Domain 2.8 – Using appropriate tools for network troubleshooting.

**NEW QUESTION 42**

- (Topic 1)

A technician receives a tablet that looks like it has a bulge inside. The bulge is pushing the screen away from the backplate. The tablet still turns on when it is plugged in, but the screen looks damaged and turns off when unplugged. Which of the following is the most likely cause of this issue?

- A. Malfunctioning power supply
- B. Damaged charge port
- C. Deprecated battery
- D. Broken screen

**Answer:** C

**Explanation:**

Comprehensive and Detailed In-Depth Explanation:

A bulging tablet casing is a classic sign of a swollen lithium-ion battery, often caused by age, overheating, or overcharging. This is a dangerous condition, as swollen batteries can rupture or catch fire. It also explains why the tablet only works when plugged in — the battery is no longer holding a charge.

? Option A: Power supply issues wouldn't cause physical bulging.

? Option B: A bad charge port wouldn't cause screen damage or physical distortion.

? Option D: A broken screen could cause display issues, but not the bulging chassis. CompTIA A+ Core 1 Exam Objective Reference:

? Objective 1.4: Given a scenario, configure settings and use cases for laptops and mobile devices.

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**NEW QUESTION 45**

- (Topic 1)

Which of the following connectors is found on an optical networking cable?

- A. RJ45
- B. LC
- C. USB-C
- D. Lightning

**Answer:** B

**Explanation:**

Comprehensive and Detailed Step-by-Step Explanation: LC Connector (Lucent Connector):

LC is a type of fiber optic connector commonly used in optical networking cables. It is small, compact, and widely used for high-speed data transfer over fiber optic networks.

LC connectors are specifically designed for fiber optic cables, making them the correct answer.

Incorrect Options:

\* A. RJ45: RJ45 connectors are used for Ethernet cables (twisted-pair copper cabling) and are not compatible with optical networking cables.

\* C. USB-C: USB-C is a connector type used for general-purpose data transfer, charging, and video output, not for optical networking.

\* D. Lightning: Lightning connectors are proprietary to Apple devices and are not used in optical networking.

Key Takeaway:

The LC connector is specifically designed for fiber optic cables, making it the correct answer for optical networking.

Reference: CompTIA A+ Core 1 Exam Objectives (220-1201), Domain 3.1 – Cable and connector types, including fiber optic cables.

**NEW QUESTION 50**

- (Topic 1)

A company needs to develop a disaster recovery solution based on virtual machines. Which of the following service models is the most suitable?

- A. Infrastructure as a Service
- B. Security as a Service
- C. Platform as a Service
- D. Software as a Service

**Answer:** A

**Explanation:**

Comprehensive and Detailed In-Depth Explanation:

Infrastructure as a Service (IaaS) provides virtualized computing resources over the internet such as servers, storage, and networking. It allows a business to quickly spin up virtual machines and is ideal for disaster recovery and scalable IT infrastructure needs.

? Option B: SecaaS focuses on cloud-delivered security, not infrastructure.

? Option C: PaaS offers development environments, not full virtual infrastructure.

? Option D: SaaS delivers applications over the internet (e.g., email, CRM) — not for disaster recovery.

CompTIA A+ Core 1 Exam Objective Reference:

? Objective 4.1: Compare and contrast cloud computing concepts.

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**NEW QUESTION 55**

- (Topic 1)

Which of the following would prevent a virtual machine from communicating with any endpoints on a network or the internet?

- A. VDI
- B. Private cloud
- C. Sandbox
- D. Type 1 hypervisor

**Answer:** C

**Explanation:**

Comprehensive and Detailed In-Depth Explanation:

A sandbox is an isolated virtual environment used to test or run applications securely without risk to the host or network. It prevents the VM from communicating with external systems, making it ideal for testing malware or suspicious software.

? Option A (VDI): Virtual Desktop Infrastructure allows network communication; it does not restrict it.

? Option B (Private cloud): Refers to a cloud deployment model, not a communication barrier.

? Option D (Type 1 hypervisor): Runs VMs directly on hardware and does not inherently block communication.

CompTIA A+ Core 1 Exam Objective Reference:

? Objective 4.1: Compare and contrast cloud computing concepts.

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**NEW QUESTION 57**

- (Topic 1)

A user reports that the printouts from a laser printer have lines and smudges on them. The printer is also intermittently misfeeding the paper. Which of the following components should a technician replace to address this issue?

- A. Fuser
- B. Maintenance kit
- C. Corona wire
- D. Toner cartridge

**Answer:** B

**Explanation:**

Comprehensive and Detailed In-Depth Explanation:

A maintenance kit for a laser printer often includes rollers, fuser, and other parts that wear out over time. If the printer is smudging and misfeeding, it's a sign that multiple components are failing, which a maintenance kit is designed to resolve.

? Option A (Fuser): May cause smudging if it's not heating correctly, but it won't resolve paper misfeeds alone.

? Option C (Corona wire): Can cause poor image quality if dirty but doesn't affect paper feeding.

? Option D (Toner cartridge): Can cause streaks if defective, but not paper feed issues.

CompTIA A+ Core 1 Exam Objective Reference:

? Objective 3.4: Given a scenario, install and configure printers.

**NEW QUESTION 62**

- (Topic 1)

A user wants to print files from an overseas office using a shared network folder. The user's laptop has no public-facing internet connectivity. Which of the following can be used to print from the shared network folder?

- A. ADF
- B. USB
- C. PCL
- D. SMB

**Answer: D**

**Explanation:**

Comprehensive and Detailed In-Depth Explanation:

SMB (Server Message Block) is a protocol used to access files and printers over a network, including across shared network folders. It enables the user to access and print files stored remotely on a shared directory.

? Option A (ADF): Automatic Document Feeder — hardware, not a network protocol.

? Option B (USB): Used for direct physical connections, not for printing over networks.

? Option C (PCL): Printer Command Language — relates to printer drivers, not file sharing or access.

CompTIA A+ Core 1 Exam Objective Reference:

? Objective 3.4: Given a scenario, install and configure printers.

**NEW QUESTION 64**

- (Topic 1)

A technician is troubleshooting a connectivity issue on a network computer. The technician runs ipconfig in a command prompt and receives the following IP address: 169.254.0.6. Which of the following is most likely the type of IP address being assigned?

- A. DHCP reservation assignment
- B. Dynamic assignment
- C. Self-assignment
- D. Static assignment

**Answer: C**

**Explanation:**

Comprehensive and Detailed In-Depth Explanation:

An IP address starting with 169.254.x.x is a self-assigned address (also called APIPA— Automatic Private IP Addressing). It's used when a client device cannot contact a DHCP server. This address allows limited communication on the local network segment but no internet access.

? Option A: DHCP reservations assign specific IPs from the DHCP server — they don't result in APIPA.

? Option B: Dynamic assignment from DHCP assigns valid IPs in the proper subnet, not 169.254.x.x.

? Option D: Static IPs are manually set and would not fall in the 169.254.x.x range unless set incorrectly.

CompTIA A+ Core 1 Exam Objective Reference:

? Objective 2.6: Given a scenario, configure and troubleshoot network connectivity.

**NEW QUESTION 69**

- (Topic 1)

A user's wireless headset shows a "connected" status when turned on, but the Bluetooth list on the user's phone shows that the headset is "not connected." Which of the following should the technician do?

- A. Enter the PIN.
- B. Turn off Wi-Fi.
- C. Re-pair the devices.
- D. Enable Bluetooth.

**Answer: C**

**Explanation:**

Comprehensive and Detailed In-Depth Explanation:

When a device shows as not connected even though it previously paired, the most effective action is to re-pair the devices. This resets the Bluetooth connection, clears any corruption in pairing profiles, and re-establishes communication.

? Option A: Entering a PIN is only relevant during initial pairing and may not be prompted again.

? Option B: Turning off Wi-Fi doesn't typically affect Bluetooth; they operate on similar frequencies but don't conflict this way in normal use.

? Option D: If Bluetooth were disabled, the device wouldn't appear at all, not just show as "not connected."

CompTIA A+ Core 1 Exam Objective Reference:

? Objective 1.5: Given a scenario, connect and configure accessories and ports of mobile devices.

#### NEW QUESTION 74

- (Topic 1)

A user connects their laptop to a projector in a conference room. Once connected, the user reports the screen is smaller at the bottom than at the top. The user tries restarting the laptop and then disconnecting and reconnecting the cable to the projector. Which of the following should a technician do to resolve the issue?

- A. Replace the HDMI cable.
- B. Power cycle the projector.
- C. Adjust the keystone
- D. Increase the resolution.

**Answer:** C

#### Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

A distorted image where the screen is not symmetrical (wider at the top or bottom) is typically due to keystone distortion. Adjusting the projector's keystone settings corrects this trapezoidal effect caused by an angled projection.

Reference: "CompTIA A+ Complete Study Guide" by Quentin Docter – Chapter 3, page 152.

#### NEW QUESTION 78

- (Topic 1)

A user reports that their desktop PC does not turn on. Which of the following components would most likely cause the issue?

- A. PSU
- B. GPU
- C. RAM
- D. CPU

**Answer:** A

#### Explanation:

Comprehensive and Detailed In-Depth Explanation:

If a desktop fails to power on entirely, the most probable cause is a faulty Power Supply Unit (PSU). If there are no lights, fans, or POST beeps, the PSU may have failed, cutting off all power to the motherboard and components.

? Option B (GPU): Could prevent video output, but the system would still power on and beep.

? Option C (RAM): Missing or faulty RAM would cause POST errors but not prevent startup entirely.

? Option D (CPU): A bad CPU may cause POST failure, but the system would usually at least power on.

CompTIA A+ Core 1 Exam Objective Reference:

? Objective 3.5: Given a scenario, troubleshoot problems related to motherboards, RAM, CPU, and power.

=====

#### NEW QUESTION 79

- (Topic 1)

A user is having issues when charging a device with a Lightning cable. The cable is not recognized when it is plugged into the device. This issue is usually resolved by flipping the cable over. This issue does not occur with other devices of the same type. Which of the following would most likely cause the issue?

- A. The device needs to be restarted.
- B. The battery may be swelling and needs inspection.
- C. The cable is failing and needs to be replaced
- D. The charging port is dirty or damaged

**Answer:** D

#### Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

When a Lightning cable works only when flipped a certain way or doesn't function consistently, it is typically due to debris or damage in the charging port.

Cleaning the port or inspecting it for wear resolves the issue.

Reference: "CompTIA A+ Complete Practice Tests" by Jeff T. Parker – Chapter 1, Question 7, page 7.

#### NEW QUESTION 82

- (Topic 1)

Which of the following can a user utilize to share their mobile phone connection with their laptop?

- A. IR
- B. NFC
- C. Wi-Fi Direct
- D. Tethering

**Answer:** D

#### Explanation:

Tethering refers to sharing a mobile phone's internet connection with another device, such as a laptop, either through USB, Bluetooth, or Wi-Fi. Tethering effectively turns the mobile phone into a personal hotspot for internet access.

Option A (IR): Incorrect. Infrared (IR) is used for short-range communication, such as remote controls, but it does not support internet sharing.

Option B (NFC): Incorrect. Near-field communication (NFC) is used for close-proximity data transfer, not for internet sharing.

Option C (Wi-Fi Direct): Incorrect. Wi-Fi Direct enables device-to-device communication but does not inherently provide internet sharing.

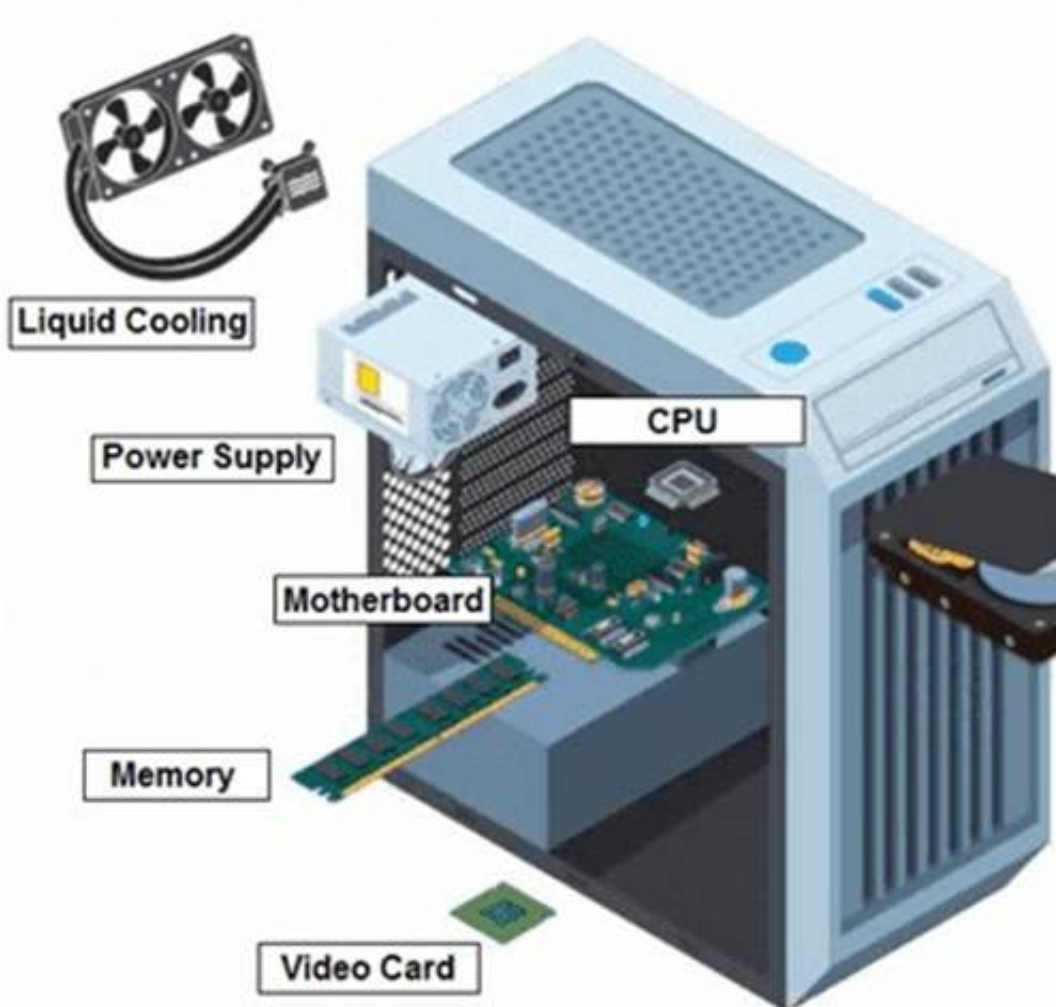
References:

CompTIA A+ Core 1 Objectives: 1.4 (Configure basic mobile-device network connectivity)

NEW QUESTION 83

HOTSPOT - (Topic 2)

A customer built a computer for gaming, sourcing individual components and then assembling the system. The OS starts up, but within a few minutes the machine locks up.  
The customer brought the computer to a technician to diagnose the issue.



**Cause**

Select a cause  
Overheating  
Component incompatibility  
Insufficient power  
Overclocking

**Resolution**

Select a resolution  
Replace PSU with higher wattage model  
Update motherboard firmware  
Install larger radiator  
Lower CPU clock speed  
Increase CPU multiplier  
Run CHKDSK on NVMe drive  
Replace thermal paste  
Decrease CPU voltage  
Raise memory frequency  
Switch motherboard for micro-ATX form factor  
Decrease memory module frequency  
Replace GPU with lower performance model

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

correct answer is "Overclocking" and "Reduce CPU Clock speed" CPU is at 4.5 Ghz when normal is 3.2 Ghz. Overclocking too much can cause freezes, and this is a gaming computer sothe user probably took it too far. <http://blog.logicalincrements.com/2018/12/4- troubleshooting-tips-overclocking-pc/>

NEW QUESTION 86

HOTSPOT - (Topic 2)

A technician is diagnosing several device issues reported by employees.

INSTRUCTIONS

Click on each device to review the issue. Then select the appropriate issue and solution from the drop-down menu. Each option may be used more than once.



- A. Mastered  
 B. Not Mastered

**Answer: A**

**Explanation:**



A screenshot of a computer  
 AI-generated content may be incorrect.

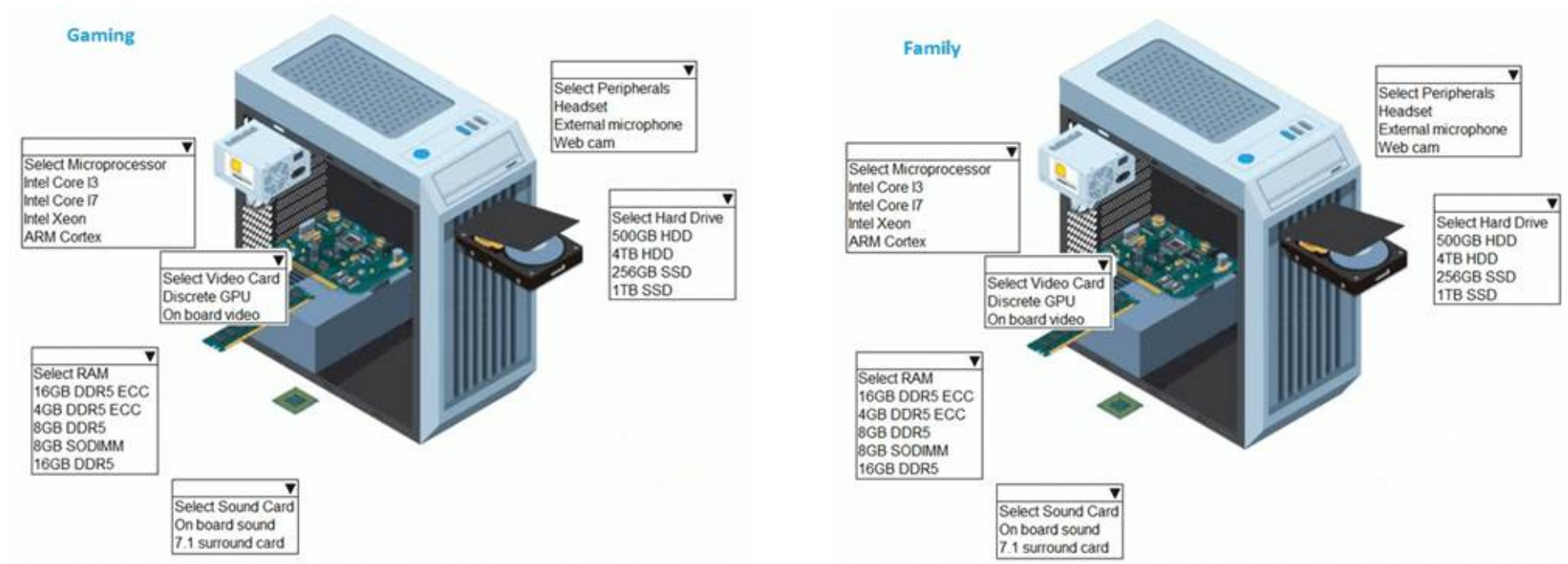
## NEW QUESTION 91

HOTSPOT - (Topic 2)

A customer has contacted you about building two new desktops. The first desktop will be a gaming workstation. The customer requirements include:

- Playing the newest games at a high frame rate
- Fast game load times
- Enough storage to have several games installed at once
- High-end audio
- No concern about cost
- Running the current Windows OS

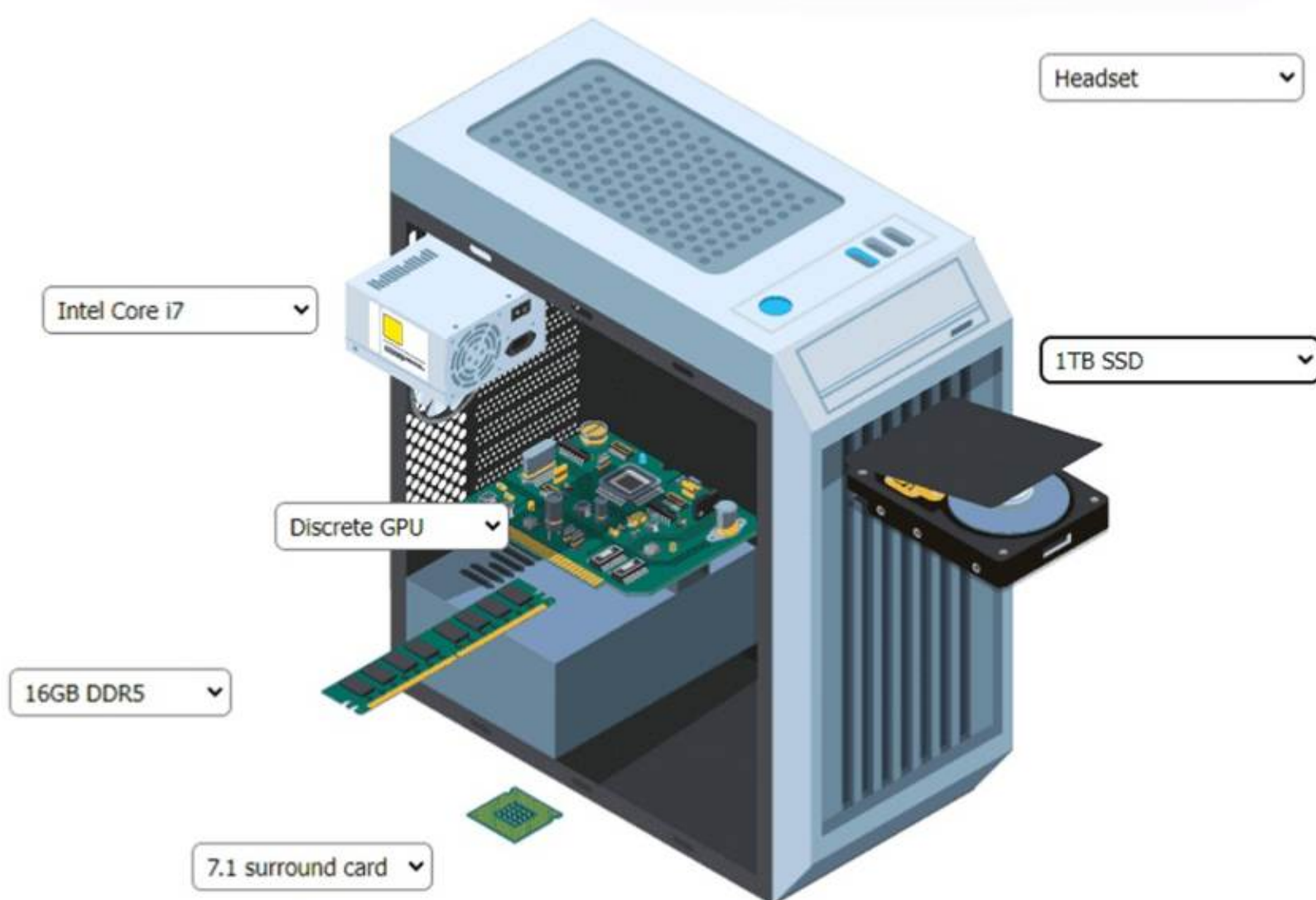
The second workstation will be a family workstation. The requirements include: Capability for word processing, videoconferencing, and basic web surfing  
 Minimal cost, as long as it meets the requirements  
 Running the current Windows OS



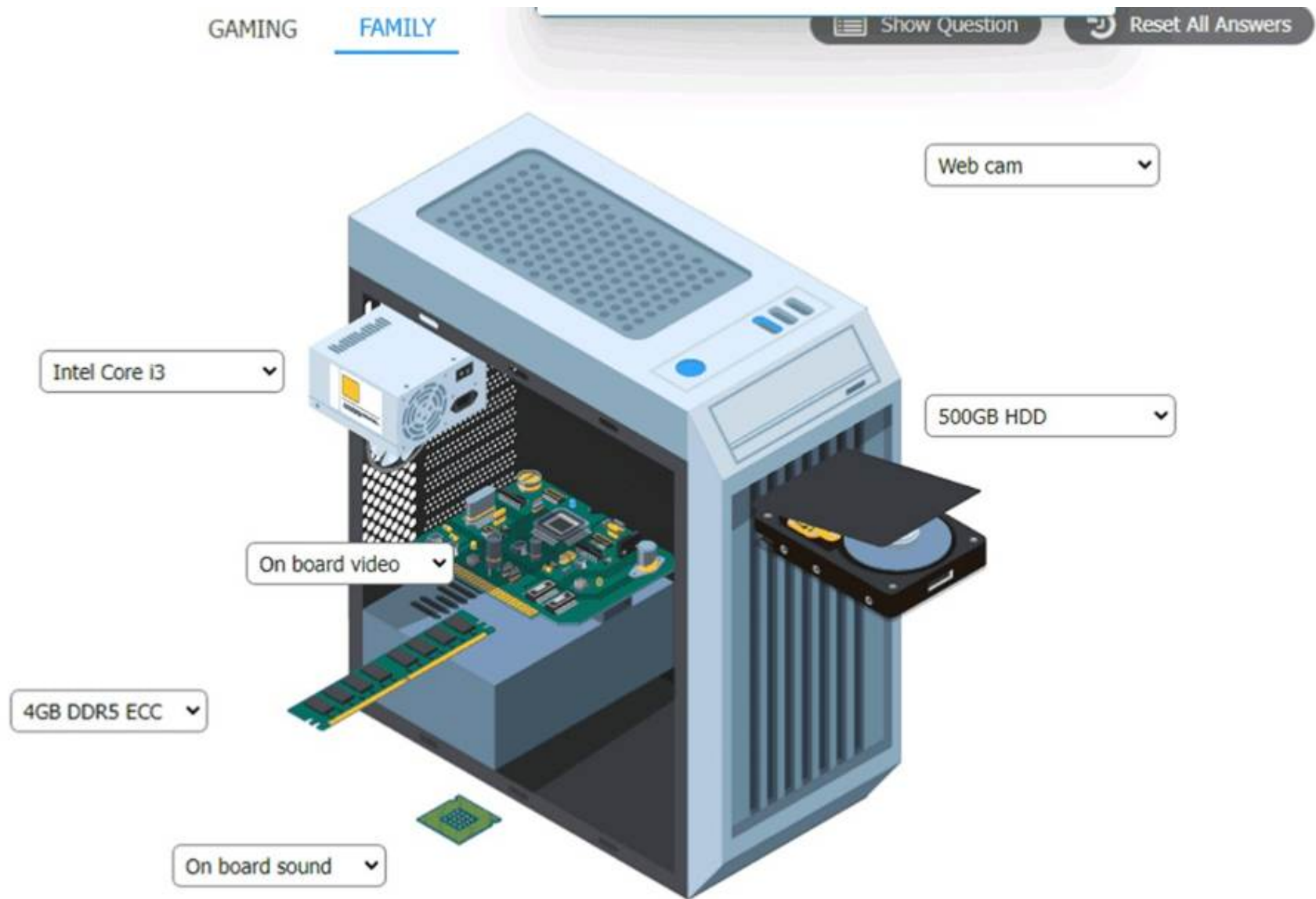
- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**



A computer tower with a hard drive and a hard drive AI-generated content may be incorrect.



A computer tower with a computer and a hard drive AI-generated content may be incorrect.

NEW QUESTION 95  
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