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**Vendor:**CompTIA

**Exam Code:**220-1101

**Exam Name:**CompTIA A+ Certification Exam: Core 1

**Version:**Demo

### QUESTION 1

A systems administrator receives a notification from the RAID controller that the RAID 5 array is degraded. Upon logging into the server, the administrator sees that on local disk 0, physical disk 2 has failed. Which of the following is the BEST course of action to take to resolve the problem?

- A. Schedule system downtime and replace physical disk 2. Wait until the array is rebuilt and confirm in the RAID controller that the system is no longer degraded.
- B. Immediately replace physical disk 2. Wait until the arrays is rebuilt and confirm in the RAID controller that the system is no longer degraded.
- C. Delete logical disk 0 and manually configure a new RAID array only using the known- good working drives. Wait until the array is rebuilt and confirm in the RAID controller that the system is no longer degraded.
- D. In the controller, convert the RAID 5 array to RAID 0 array to avoid system downtime. Wait until the array is rebuilt and confirm in the RAID controller that the system is no longer degraded.

Correct Answer: A

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### QUESTION 2

Joe, a user, has purchased a new mobile device that uses a different OS than his previous one. Joe wants to copy his contacts and appointments from his corporate account without entering them manually.

Which of the following would be the BEST way for a technician to assist Joe?

- A. Log into the same email provider on the new device, and restore the contacts and dates.
- B. Create a Bluetooth connection between Joe's devices, and copy his contacts and calendar.
- C. Back up the old mobile device to a PC, and import the contacts and schedule from the PC.
- D. Use NFC to transfer all compatible data from one device to the other.

Correct Answer: A

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### QUESTION 3

A technician recently received a written warning for causing a system-wide outage. The outage was a result of an unscheduled patch being manually pushed during production hours. Which of the following could have MOST likely prevented the technician from receiving the warning?

- A. Following corporate procedures
- B. Testing before deployment
- C. Documenting the findings
- D. Establishing a plan of action

Correct Answer: A

Following corporate procedures would have been the most likely factor that could have prevented the technician from receiving the written warning. Following established procedures, such as change management, helps ensure that changes made to the production environment are thoroughly tested, approved, and implemented in a controlled and safe manner, reducing the risk of system-wide outages and other unintended consequences.

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#### QUESTION 4

A technician is inspecting a projector that is displaying fuzzy images. Which of the following actions would provide the BEST solution?

- A. Adjusting the lens
- B. Changing the filter
- C. Replacing the video cable
- D. Reseating the lamp

Correct Answer: A

Adjusting the lens is the best solution to improve image quality in a projector. The lens can become misaligned over time or during transportation, causing the image to appear fuzzy.

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#### QUESTION 5

Which of the following components enables the input on a mobile device's touch screen?

- A. OLED
- B. Digitizer
- C. Inverter
- D. CMOS sensor

Correct Answer: B

The digitizer is the component that enables input on a mobile device's touch screen. It is a transparent layer that sits over the screen and detects the location of touch inputs. OLED (Organic Light Emitting Diode) is a type of display technology. Inverter is a component used in older LCD displays to provide power to the backlight. CMOS (Complementary Metal-Oxide-Semiconductor) sensor is a type of image sensor used in digital cameras and smartphones to capture images. References: CompTIA A+ Certification Exam: Core 1 - Page 177

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#### QUESTION 6

A technician made several upgrades to a computer and then determined the power supplied by the PSU is insufficient. Which of the following would MOST likely cause the insufficiency? (Select TWO).

- A. Replacing the HDD with an SSD

- B. Upgrading the firmware
- C. Adding an optical drive
- D. Adding more RAM
- E. Adding a CMOS battery
- F. Upgrading the graphics card

Correct Answer: DF

If a technician made several upgrades to a computer and then determined the power supplied by the PSU is insufficient, the upgraded graphics card and adding more RAM would most likely cause the insufficiency. Upgrading the graphics card and adding more RAM can increase the power consumption of a computer, which can cause the power supplied by the PSU to be insufficient. Adding more RAM and upgrading the graphics card are the most likely causes of the insufficiency of power supplied by the PSU. These upgrades require more power to operate efficiently and can cause the PSU to become insufficient.

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## QUESTION 7

### DRAG DROP

A customer, Ann, has requested two custom PCs, one to be used for gaming and the other to be used as a virtualization workstation for her business.

The gaming PC should support the latest games and gaming peripherals.

The virtualization workstation should be able to host several production virtual machines as part of Ann's home business.

### INSTRUCTIONS

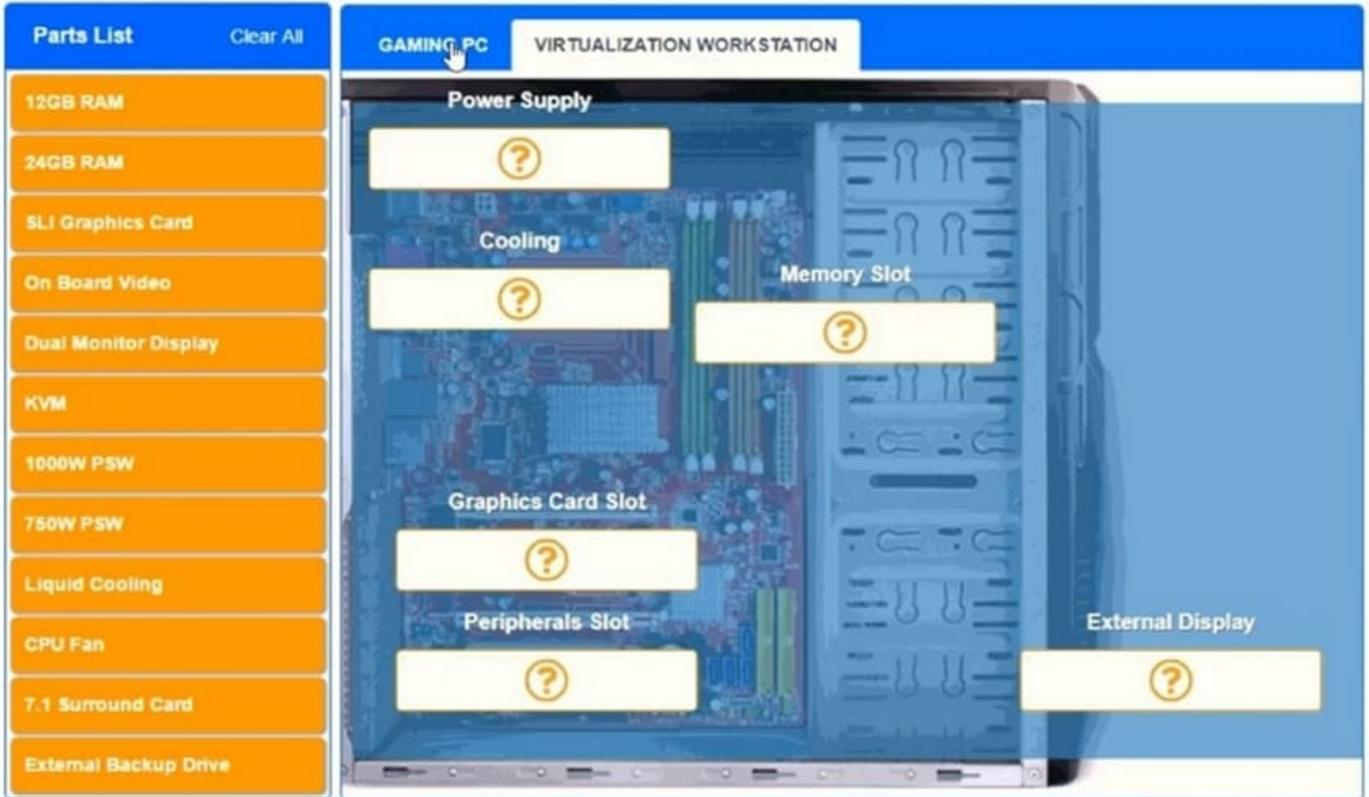
Use the tabs at the top to switch between the PCs.

Objects should be placed on the appropriate slot/display areas and can only be used once.

All slot/display areas should be filled.

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

Select and Place:



Correct Answer:



### QUESTION 8

An engineer is experiencing unexpected reboots on a graphics workstation when rendering complex 3-D models. The workstation is configured with a 115V power supply that is rated at 200W and connected to a UPS. The central processing unit contains 16 hyperthreaded cores, and a discrete graphics solution utilizing an 8-pin power connector is installed in a PCI Express x16 slot. Which of the following indicates where the technician should begin troubleshooting?

- A. The UPS, as 115V is insufficient for the configuration and should be increased to 220V
- B. The power supply, as 200W is insufficient when the GPU is heavily tasked
- C. The graphics card, as it is the component that triggers the unexpected reboots
- D. The motherboard, as only standard PCI slots should be used for high-end graphics cards, not PCI Express slots

Correct Answer: B

The unexpected reboots on a graphics workstation when rendering complex 3-D models may be caused by insufficient power supply. The workstation is configured with a 115V power supply that is rated at 200W, which may not be enough when the GPU is heavily tasked. The technician should begin troubleshooting by checking the power supply.

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### QUESTION 9

Which of the following allows all VMs in a virtual environment to have RAM allocated for use?

- A. Measured service
- B. Containerization
- C. Synchronization
- D. Resource pooling

Correct Answer: D

The concept described in the question is related to virtualization and resource management in a virtual environment. The approach that allows all virtual machines (VMs) to have memory (RAM) allocated for use is known as resource pooling.

Therefore, the correct answer is D: "Resource pooling." This approach allows resources to be allocated dynamically to VMs based on their current needs, and ensures that resources are used efficiently in the virtual environment.

Resource pooling is a technique used in virtualization to share resources among multiple virtual machines (VMs). With resource pooling, RAM can be allocated dynamically to VMs as needed, allowing all VMs in a virtual environment to have

RAM allocated for use. References: [https://en.wikipedia.org/wiki/Resource\\_pooling](https://en.wikipedia.org/wiki/Resource_pooling)

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### QUESTION 10

A user failed to gain access to a building's entrance after security measures at the entrance were upgraded last week. The company implemented the 13.56MHz frequency short band, and users can now utilize their mobile devices to authenticate. Which of the following has to be enabled for the mobile device to authenticate?

- A. Bluetooth
- B. Biometrics
- C. NFC
- D. PIN

Correct Answer: C

NFC (Near Field Communication) is a technology used for short-range wireless communication between devices, typically used for contactless payments and authentication. In this scenario, the 13.56MHz frequency short band was implemented, and users can authenticate using their mobile devices, which requires NFC to be enabled on the device. References: CompTIA A+ Certification Exam Objectives 220-1001 - Mobile device network and device synchronization

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#### QUESTION 11

A technician would like to install an internal storage drive for a computer. Which of the following cable connectors would MOST likely be used to transfer data? (Select TWO).

- A. USB-C
- B. IDE
- C. SATA
- D. USB-A
- E. Motex
- F. Lightning

Correct Answer: BC

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#### QUESTION 12

A technician has been asked to fix a problem with a projector. The projector lamp turns off for brief periods during a demonstration. After the technician replaced the lamp, the problem continued with an added message that appears just before the lamp turns off. Which of the following MOST likely need to be performed? (Choose two.)

- A. Reset the lamp life counter
- B. Replace the cooling fan
- C. Adjust the brightness
- D. Update the laptop video driver
- E. Install a higher lumen lamp
- F. Change the video resolution

Correct Answer: AB