



# CompTIA

## Exam Questions 220-1001

CompTIA A+ Certification Exam: Core 1

#### NEW QUESTION 1

A technician was called to check an unexpected clicking noise on a desktop that has become more frequent every time a video editing application is loaded. The system fans have been replaced, but the clicking noise remains. Diagnostics have been run on the video card. Which of the following should the technician do FIRST?

- A. Replace the hard drive.
- B. Replace the video card.
- C. Do a System Restore.
- D. Perform a full data backup.
- E. Scan the system for viruses.

**Answer: D**

#### NEW QUESTION 2

Several company users are frequently forgetting passwords for their mobile devices and applications. Which of the following should the systems administrator do to reduce the number of help desk tickets submitted?

- A. Implement single sign-on.
- B. Enable multifactor authentication.
- C. Configure biometric authentication.
- D. Remove complex password requirements.

**Answer: A**

#### NEW QUESTION 3

The feature that allows users to store files in cloud-based when necessary, but can be removed when space is freed up, is known as:

- A. on-demand
- B. resource pool
- C. synchronization application
- D. shared resources

**Answer: A**

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An office has a network that has all computers connected to two switches. The switches are connected with a fiber cable. The computers and switches are all located in the same building. Which of the following network types does this describe?

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

**Answer: C**

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A laptop is connected to a conference room projector in extended display mode. The desktop icons appear normal on the laptop, but are disproportionate and illegible on the projector screen. Which of the following should the technician check?

- A. Video resolution
- B. HDMI connection
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- C. CPU frequency
- D. Monitor resolution

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#### NEW QUESTION 7

Which of the following connector types is MOST appropriate to use to connect a SOHO cable modem to the ISP?

- A. DB-9
- B. RJ-45
- C. RG-59

D. RS-232

**Answer:** C

#### NEW QUESTION 8

A systems administrator wants to take advantage of the benefits of the major cloud providers while retaining some data and services in the local datacenter. Which of the following types of cloud model should the administrator consider?

- A. Public
- B. Private
- C. Hybrid
- D. Community

**Answer:** C

#### NEW QUESTION 9

Which of the following cloud computing concepts allows scalable services to be provided to the client?

- A. On-demand
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#### NEW QUESTION 10

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- C. Install a USB keyboard and mouse.
- D. Connect the device to the network.
- E. Install the latest system updates.
- F. Install the latest device drivers.
- G. Connect the device to a monitor.
- H. Install the necessary applications.

**Answer:** DEH

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A user wants to print a large job on both the front and back sides of the paper.

Which of the following settings should the technician advise the user to change in the printer settings?

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Which of the following networking protocols would be BEST track packages through a sorting facility?

- A. RFID
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- C. Bluetooth
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**Answer:** D

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#### NEW QUESTION 20

Which of the following ports are used for secure sessions? (Select two.)

- A. 22

- B. 23
- C. 25
- D. 80
- E. 110
- F. 443

**Answer:** AF

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- B. Restart the wireless connection to obtain a self-assigned APIPA address
- C. Assign a different IP address to the device in conflict with the CIO's laptop
- D. Set the network connection to use DHCP instead of a static address
- E. Change the network's SSID to a mobile hotspot to access company email

**Answer:** D

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A technician is replacing an older video card with a new high-end video card in a workstation. The installation was successful, the new card seated properly, and power is connected. However, upon booting, the computer now emits several beeps and will not boot, but shows no error messages. Which of the following is MOST likely the cause of this issue?

- A. The BIOS is out-of-date
- B. There is not enough PSU output
- C. There is an onboard RAM mismatch
- D. GPU is overlocked
- E. The firmware is out-of-date

**Answer:** B

#### NEW QUESTION 25

An engineer is working at a remote site that does not have Internet access. Which of the following features should the engineer use to connect a laptop to the Internet if hotspot functionality is unavailable?

- A. Tethering
- B. Near field communication
- C. Wireless LAN
- D. Virtual private network

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#### NEW QUESTION 28

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- A. Verify the DNS servers are configured properly on the device.
- B. Assign a static IP address on the wired network connection
- C. Run a speed test on the network to check for slow transfer speeds
- D. Confirm the network connection is not using a link-local address
- E. Replace the Ethernet cable as it is causing limited connectivity

**Answer:** C

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A corporation maintains an active social media presence by constantly uploading audio and video. The corporation also regularly hosts video conferences, but attendees are reporting buffering during their telecast.

Which of the following should the IT department do to improve the ability to attend video conferences without interruption?

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- C. Verify system functionality on the user's workstation
- D. Document the issue for future reference

**Answer:** C

#### NEW QUESTION 34

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- A. Airplane mode
- B. Tethering
- C. Disabled hotspot
- D. VPN

**Answer:** A

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- A. Hypervisor requirements
- B. Storage requirements
- C. Resource requirements
- D. Network requirements
- E. Backup requirements
- F. Security requirements

**Answer:** AF

#### NEW QUESTION 38

Which of the following Internet connection types often terminates at a switching center and then requires the use of a different media for the last mile to the customer?

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

**Answer:** B

#### NEW QUESTION 42

Which of the following IEEE 802.11 standards includes the use of MIMO technology?

- A. 802.11a
- B. 802.11b
- C. 802.11g
- D. 802.11n

**Answer:** D

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- D. Tractor feed

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- B. Large capacity drives
- C. Hot swappable drives
- D. Solid state drives

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- A. Virtual security
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- C. Virtual CPU
- D. Virtual switch
- E. Virtual RAM

**Answer:** C

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- B. The computer is utilizing two channels.
- C. The computer is utilizing three channels.
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- B. Reinstall the drivers on users’ PCs.
- C. have users restart their PCs.
- D. Clear the print queue.

**Answer:** D

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- A. Check the user’s account for the correct printing privileges.
- B. Reinstall the driver on the print server.
- C. Update the firmware on the commercial office printer.
- D. Run Windows Update on the affected computers.

**Answer:** B

#### NEW QUESTION 68

A technician is upgrading the RAM in a server-grade laptop for a company’s Chief Executive Officer (CEO). The CEO cannot afford any downtime. Which of the following is the BEST type of memory module to purchase?

- A. LRSIMM
- B. DDR4
- C. Parity
- D. Dual channel

**Answer:** B

#### NEW QUESTION 69

Joe, a user, reports that his new smart wearable device is not synchronizing to his mobile device. Both devices are powered on, but the mobile device fails to read the data from the wearable. Which of the following will MOST likely fix this issue?

- A. Pair the devices
- B. Set the SSID
- C. Update the smart wearable device firmware
- D. Enable NFC

**Answer:** A

#### NEW QUESTION 72

An employee's mobile device no longer charges, and the employee believes the battery is bad. A technician tests the mobile device and finds it will charge on a wireless charging pad but not when it is connected to a charging cable. Other devices charge without issue when the cable is used. Which of the following should the technician perform FIRST to resolve the issue?

- A. Clean out the charging port on the device
- B. Replace the mobile device's battery
- C. Issue a new charging cable to the employee
- D. Send the device for service and give the employee a loaner

**Answer:** A

#### NEW QUESTION 73

A technician needs to routinely run scripting commands in Linux but does not want to walk over the server room every time to perform the task. The technician also travels between buildings and has a Windows 10 laptop with 4GB of memory and a fully partitioned 500GB hard drive. Which of the following steps should the technician take to resolve this issue? (Choose two.)

- A. Increase the memory to 8GB.
- B. Install a Linux guest VM.
- C. Add another 500GB hard drive.
- D. Create a Linux LiveBoot CD.
- E. Repartition the hard drive.
- F. Install Linux on a new ext3 partition.

**Answer:** EF

#### NEW QUESTION 74

A customer asks a technician to help set up a specialized computing system for video editing. Which of the following should the technician install on the workstation to BEST meet the customer's specifications? (Choose two.)

- A. SSD
- B. Dual monitors
- C. Gigabit NIC
- D. Hypervisor
- E. Docking station
- F. NAS

**Answer:** AB

#### NEW QUESTION 76

A user reports being unable to browse the Internet. A technician believes the cause of the issue is related to DNS. Which of the following should the technician perform NEXT?

- A. Test the theory by attempting to browse to a website's known IP address.
- B. Implement preventive measures by manually assigning a DNS server to the PC.
- C. Identify the problem by running the command `ipconfig /flushdns`.
- D. Document the findings in the organization's local knowledge base.

**Answer:** A

#### NEW QUESTION 79

A customer is using a cloud storage program that maintains a copy of local file on the cloud storage servers. The WF network is not very fast, and the customer users bandwidth intensive video streaming all day. Which of the following parameters should be adjust to keep the cloud storage program from using too much bandwidth?

- A. Synchronization settings
- B. Wireless settings
- C. Video streaming settings
- D. QoS settings

**Answer:** D

#### NEW QUESTION 83

Which of the following wireless standards is only capable of 5GHz frequencies?

- A. 802.11a
- B. 802.11ac
- C. 802.11b
- D. 802.11g

**Answer:** A

#### NEW QUESTION 87

A technician is setting up a new SOHO router for a home user. The user has a media server to be accessible from the Internet while the user is traveling. Which of the following should the technician configure to allow access to the server from the Internet?

- A. Port forwarding
- B. NAT
- C. MAC filtering
- D. QoS

**Answer:** A

#### NEW QUESTION 91

A network administrator has discovered an amber indicator light on one of the redundant PSUs of a production server that went offline. Which of the following is the FIRST step in troubleshooting this issue?

- A. Check the connectivity of the power cable.
- B. Check the battery backup system
- C. Check the power settings of the server.
- D. Check the fans of the server

**Answer:** B

#### NEW QUESTION 93

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## About ExamBible

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- D. Network requirements
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**Answer:** A

#### NEW QUESTION 72

An employee's mobile device no longer charges, and the employee believes the battery is bad. A technician tests the mobile device and finds it will charge on a wireless charging pad but not when it is connected to a charging cable. Other devices charge without issue when the cable is used. Which of the following should the technician perform FIRST to resolve the issue?

- A. Clean out the charging port on the device
- B. Replace the mobile device's battery
- C. Issue a new charging cable to the employee
- D. Send the device for service and give the employee a loaner

**Answer:** A

#### NEW QUESTION 73

A technician needs to routinely run scripting commands in Linux but does not want to walk over the server room every time to perform the task. The technician also travels between buildings and has a Windows 10 laptop with 4GB of memory and a fully partitioned 500GB hard drive. Which of the following steps should the technician take to resolve this issue? (Choose two.)

- A. Increase the memory to 8GB.
- B. Install a Linux guest VM.
- C. Add another 500GB hard drive.
- D. Create a Linux LiveBoot CD.
- E. Repartition the hard drive.
- F. Install Linux on a new ext3 partition.

**Answer:** EF

#### NEW QUESTION 74

A customer asks a technician to help set up a specialized computing system for video editing. Which of the following should the technician install on the workstation to BEST meet the customer's specifications? (Choose two.)

- A. SSD
- B. Dual monitors
- C. Gigabit NIC
- D. Hypervisor
- E. Docking station
- F. NAS

**Answer:** AB

#### NEW QUESTION 76

A user reports being unable to browse the Internet. A technician believes the cause of the issue is related to DNS. Which of the following should the technician perform NEXT?

- A. Test the theory by attempting to browse to a website's known IP address.
- B. Implement preventive measures by manually assigning a DNS server to the PC.
- C. Identify the problem by running the command `ipconfig /flushdns`.
- D. Document the findings in the organization's local knowledge base.

**Answer:** A

#### NEW QUESTION 79

A customer is using a cloud storage program that maintains a copy of local file on the cloud storage servers. The WF network is not very fast, and the customer users bandwidth intensive video streaming all day. Which of the following parameters should be adjust to keep the cloud storage program from using too much bandwidth?

- A. Synchronization settings
- B. Wireless settings
- C. Video streaming settings
- D. QoS settings

**Answer:** D

#### NEW QUESTION 83

Which of the following wireless standards is only capable of 5GHz frequencies?

- A. 802.11a
- B. 802.11ac
- C. 802.11b
- D. 802.11g

**Answer:** A

#### NEW QUESTION 87

A technician is setting up a new SOHO router for a home user. The user has a media server to be accessible from the Internet while the user is traveling. Which of the following should the technician configure to allow access to the server from the Internet?



- A. Port forwarding
- B. NAT
- C. MAC filtering
- D. QoS

**Answer:** A

#### NEW QUESTION 91

A network administrator has discovered an amber indicator light on one of the redundant PSUs of a production server that went offline. Which of the following is the FIRST step in troubleshooting this issue?

- A. Check the connectivity of the power cable.
- B. Check the battery backup system
- C. Check the power settings of the server.
- D. Check the fans of the server

**Answer:** B

#### NEW QUESTION 93

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