

CompTIA

Exam Questions 220-1001

CompTIA A+ Certification Exam: Core 1



NEW QUESTION 1

A client needs to upgrade the hard drive on a laptop and would like one that is fast and has drop protection. Which of the following is the BEST option for the client?

- A. 5400rpm HDD
- B. 7200rpm HDD
- C. NVMe SSD
- D. Hybrid HDD/SSD

Answer: C

NEW QUESTION 2

A technician has noticed that when at company headquarters the laptop connection to the Internet is more responsive than when using the company-provided phone as a hotspot. The technician updated the drivers on the WiFi NIC without resolution and then verified the configuration on the WiFi was correct. Which of the following configurations could cause the decreased performance?

- A. The connection is throttled.
- B. There is a low RFID signal.
- C. SSID is not found.
- D. It is out of range.

Answer: A

NEW QUESTION 3

Which of the following channels would commonly be used on an 802.11 wireless network?

- A. 6
- B. 17
- C. 802
- D. 8080

Answer: A

NEW QUESTION 4

The graphics has an issue with printing certain files. The printer does not print the complete image on larger files. A technician verifies the network speed of the printer is set to 1GB and that regular text files print without issue. Which of the following is the MOST likely cause of this problem?

- A. The printer needs more RAM
- B. The print server is timing out
- C. The users are not printing in post-script mode
- D. The printer network connection is set to half duplex

Answer: A

NEW QUESTION 5

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
- C. Keystone
- D. Focus

Answer: A

NEW QUESTION 6

A customer wants to upgrade a PC's internal storage to have more room to store backups, photos, and videos. The new storage should be large enough to avoid expanding again next year.

Which of the following BEST meets these needs?

- A. 3TB HDD
- B. 50GB NAS
- C. 500TB SAN
- D. 512GB SSD

Answer: A

NEW QUESTION 7

An administrator has configured a server to host virtualized instances. The requirements of each VM must be able to scale automatically depending on peak and off-peak usage. Which of the following terms BEST describes this type of cloud concept?

- A. Over provisioning
- B. Measured pooling
- C. Resources pooling
- D. Rapid elasticity

Answer: A

NEW QUESTION 8

A user reports a laserjet printer is not printing properly. A technician prints a test page and notices the toner is smeared on the page. The technician confirms the toner cartridge is installed correctly and the paper in the tray is the right size. Which of the following printer components is the MOST likely cause of the problem?

- A. Fuser
- B. Roller
- C. Memory
- D. Toner

Answer: A

NEW QUESTION 9

A user's laptop is shutting down unexpectedly. The technician discovers the shutdowns only happen when the laptop is moved from one room to another. The technician reseated the hard drive, memory, battery, and LCD cable, but the laptop continues to shut down. Which of the following is the MOST probable cause of the issue?

- A. Residual energy on the motherboard
- B. System overheating
- C. Distended capacitors
- D. Loose battery connection
- E. CMOS battery failure

Answer: D

NEW QUESTION 10

Which of the following adapters may suffer signal degradation or data loss due to conversion?

- A. DVI to HDMI
- B. HDMI to DisplayPort
- C. USB to Ethernet
- D. DVI-D to VGA

Answer: D

NEW QUESTION 10

A customer wants to purchase a new home computer. The machine will mainly be used for internal browsing and streaming video, except on weekends when the customers' son will use it to play games with friends.

Which of the following should the technician focus on to meet these requirements?

- A. 80mm case fans
- B. Four-core processor
- C. RAID 5 array
- D. 16GB DDR2 memory
- E. Dual monitors
- F. Encrypted hard drive

Answer: BD

NEW QUESTION 11

You need to configure your mobile device to send and receive electronic messages from your company. You must use the company's WLAN as all e-mail services are on default non-secure ports.

The company's WLAN is broadcasting across the company for easier access. Both incoming and outgoing servers require login credentials.

Use the following parameters:

- Email address tech@techies.com
- Password P@SSwOrd
- Pop techies.com Port 110 Security: None
- IMAP techies.com Port 993 Security SSL
- smtp.techies.com Port 465 Security: TLS
- Company SSID Techies
- Security WPA2
- Passphrase P@SSwOrd
- SSID is not broadcasted

INSTRUCTIONS: Update the mobile device's parameters to fit the criteria.

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

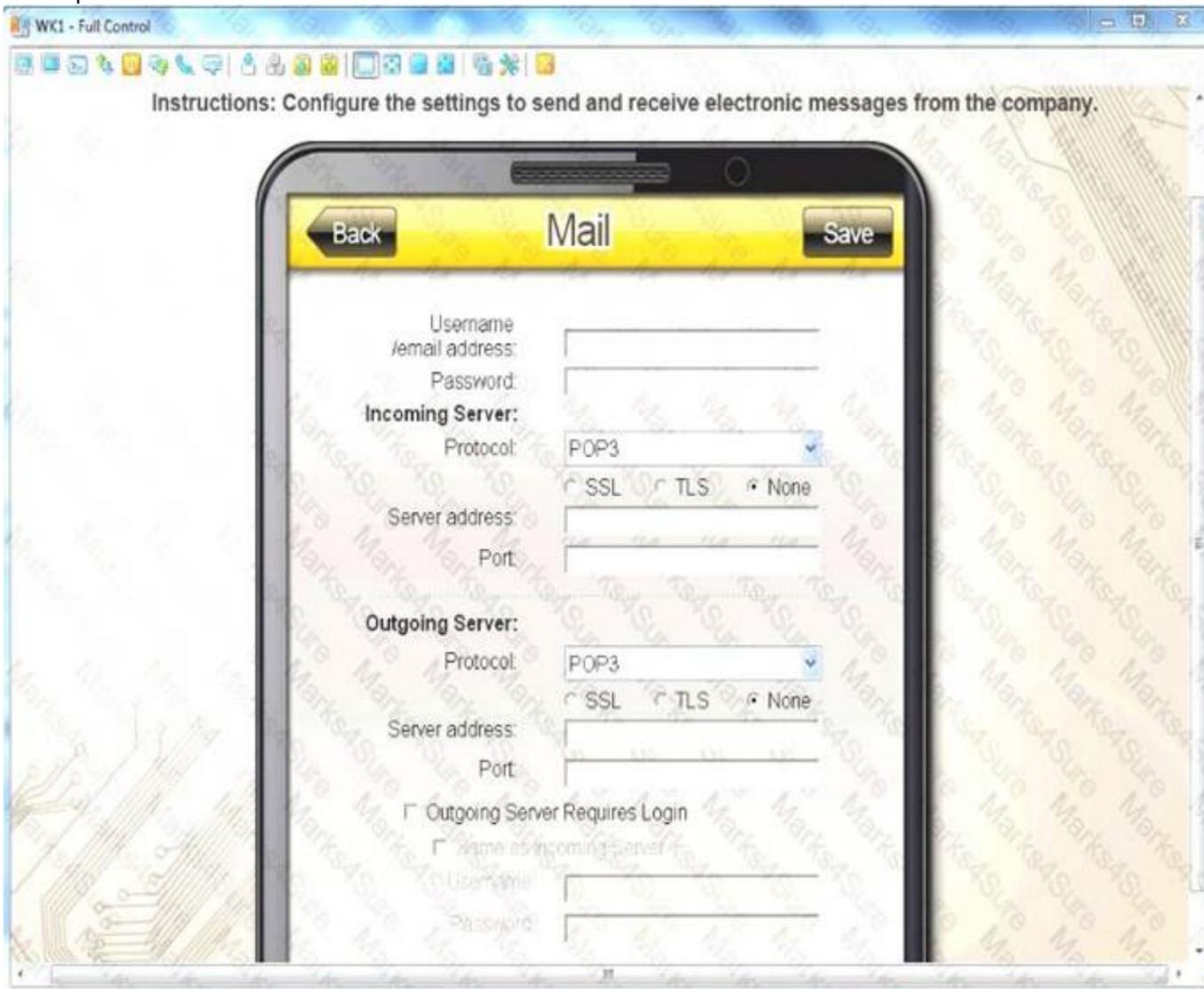


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

See explanation below





NEW QUESTION 14

A printer stops working in the billing department and cannot be repaired. A new printer has been ordered and a technician is tasked with allowing other users to print to the billing manager's printer until the new printer arrives. The manager's printer is currently used via USB connection, and there are no network jacks available for use.

Which of the following is the BEST way for the technician to allow access to the printer?

- A. Create a share on the manager's computer and give the users rights to the share.
- B. Install the printer on the users' desktops and point it to the IP address of the manager's computer.
- C. Purchase a wireless printer so the users can access the printer via network.
- D. Provide flash drives to the users so they can transfer data to the manager's computer for printing.

Answer: C

NEW QUESTION 18

A technician receives a cellular from a manager. The technician is instructed to download a service manual directly from the Internet to a laptop. However, there is no WiFi signal or wired Ethernet. Which of the following would be the MOST appropriate connections for the technician to use?

- A. Hotspot
- B. NFC
- C. Bluetooth
- D. VPN

Answer: A

NEW QUESTION 21

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 26

Which of the following connects a PC to its default gateway?

- A. NIC
- B. Switch
- C. Router

D. Cable modem

Answer: B

NEW QUESTION 27

A technician is configuring a high-performance workstation. The technician needs to choose storage for the boot drive with the highest performance possible. Which of the following drive types BEST meets this requirement?

- A. MicroSD
- B. 15K rpm
- C. NVMe
- D. USB flash

Answer: C

NEW QUESTION 30

An end user is unable to connect to the network, and a technician has visually verified the lights on the back of the PC are active and there is no physical damage to the Ethernet jack. Which of the following tools should the technician use to continue troubleshooting the connection?

- A. Punchdown tool
- B. Tone generator and probe
- C. Cable tester
- D. Crimper

Answer: C

NEW QUESTION 34

Which of the following is the main purpose of the +5VSB output of a power supply?

- A. It allows peripherals to draw power when the machine is off
- B. It provides power to the audio and sound boards of the machine
- C. It acts as the main voltage supply to the motherboard and processor
- D. It powers all expansion cards and external device hubs

Answer: A

NEW QUESTION 37

A technician is dispatched to troubleshoot a slow performance issue on a PC. Upon arrival, the technician immediately opens Task Manager and sees that CPU and RAM performance are within normal ranges. The technician then checks and verifies the speed and duplex settings and performance on the network card. The technician then temporarily disables the antivirus to see if performance is affected, and it is not. After re-enabling the antivirus, which of the following is the NEXT best stop for the technician to take?

- A. Check to see if insufficient hard drive space is causing the issue
- B. Update the operating system, drivers, and firmware on the PC
- C. Log into the PC with another user profile and test performance
- D. Shut down the PC, unplug the power for 30 seconds, and then boot the PC

Answer: A

NEW QUESTION 40

The IT department recently upgrade client computer for the graphics department. A user reports the new computer has not worked since up. It , makes unusual sound when pressing the power button. A technician verifies the power cable works and the computer is connected properly to both data and power. The monitor powers on but display the message NO source. Which of the following BEST explains the cause of this problem?

- A. There is insufficient power to the computer
- B. There is back screen on system boot.
- C. The computer is overheating.
- D. The error beep codes on POST.

Answer: C

NEW QUESTION 45

In a virtual environment, which of the following allows all the VMs to have RAM allocated for use?

- A. Resource pooling
- B. Measured service
- C. Virtual application streaming
- D. Synchronization

Answer: A

NEW QUESTION 46

A customer's workstation will not boot A technician runs diagnostics on the system and discovers it is set up in a RAID 0 configuration, and a single SATA hard drive failed. The system was set up for Performance. Once repaired the customer request redundancy be built into the system and an increase in performance.

Which of the following describes how the technician should set up the new RAID configuration?

- A. RAID 1 configuration that will utilize new SSD.
- B. RAID 2 configuration that will allow the loss of a hard drive without failure.
- C. RAID 6 configuration that will allow the loss of two hard drives without failure.
- D. RAID 10 configuration utilizing HDD

Answer: D

NEW QUESTION 50

Drag each mobile technology to the description of its use. Some answers will not be used.

Description	Wireless technology
Devices use haptic confirmation for sharing data wirelessly.	NFC
Devices are paired using a code for sharing data wirelessly.	Hotspot
Devices are placed in close proximity within line of sight for sharing data wirelessly.	IR
Devices are connected via a wire for sharing data or connectivity.	Tethering
	Bluetooth
	Cellular
	Lightning

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- 1 – IR
- 2 – Bluetooth
- 3 – NFC
- 4 – Tethering

NEW QUESTION 52

Following a recent malware infection, a user is unable to access network shares from the local server. A technician verifies the device is able to connect to the Internet and the hosted email provider off-site. The technician also confirms the local server is online. Additionally, a malware scan reports the user's computer is clean. Which of the following is the best NEXT step to troubleshoot the issue?

- 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

NEW QUESTION 57

A technician is troubleshooting what appears to be a RAM issue on a PC. Which of the following symptoms would indicate if this is a RAM issue?

- A. POST code beeps
- B. Distended capacitors
- C. Continuous reboots
- D. Wrong BIOS time

Answer: C

NEW QUESTION 60

A projector's image begins to flicker during a presentation. The laptop display does not produce this issue. When a technician changes the resolution on the laptop, the issue persists. Which of the following is the NEXT step the technician should take?

- A. Check the connectivity of the VGA cable.
- B. Check the connectivity of the power cable.
- C. Change the aspect ratio on the laptop.
- D. Change the settings of the projector.

Answer: A

NEW QUESTION 62

A user reports that a laptop is not connecting to the corporate wireless network. A technician confirms a with a smartphone that the corporate wireless network is available and can be accessed. the technician observes that the Ethernet connection to the corporate network is working. The technician disconnects the Ethernet cable.

Which of the following should the technician do NEXT to troubleshoot this problem?

- A. Confirm that the laptop wireless card is turned on.
- B. Confirm that the laptop is in range for the access point.
- C. Confirm that the correct wireless network is selected.
- D. Confirm the user's network login ID and password.

Answer: A

NEW QUESTION 63

An associate is seeking advice on which device to purchase for a friend who is a business owner. The friend needs the ability to chat activity while keeping in contact with the home office.

Which of the following would be the BEST recommendation?

- A. Smart watch
- B. Fitness monitor
- C. Global positioning sensor
- D. Portable hotspot

Answer: A

NEW QUESTION 64

Which of the following technologies can be used for wireless payments?

- A. NFC
- B. Bluetooth
- C. IR
- D. LTE

Answer: A

NEW QUESTION 65

A technician was asked to virtualize four existing PCs before decommissioning them. The resulting VMs are imported into a new VM workstation running a hypervisor on top of an OS Three of the VMs are running property, but the entire system locks up when trying to start the fourth VM. Which of the following should the technician have reviewed prior to creating the VMs to prevent this from occurring? (Select TWO)

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

Answer: AF

NEW QUESTION 66

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 67

A company offers several out-of-the-box computer configurations to its clients. A client requests several new computers for its newest location, which will be used by guests to check in upon arrival and fill out contact information. Which of the following configurations would BEST fit this customer's needs?

- A. Touch-screen kiosk
- B. Thick client
- C. CAD workstation
- D. Virtualized host computer

Answer: A

NEW QUESTION 72

A company has very strict rules regarding proprietary information leaving the premises. All computers host proprietary information. A technician is called to repair a computer on-site at the company's corporate office. The technician identifies the troubleshooting steps to create a plan of action. The technician determines the computer needs to be taken off-site for repair.

Which of the following should the technician do NEXT?

- A. Check corporate policies for guidance.
- B. Get authorization from the manager.
- C. Delete proprietary data before leaving the building.
- D. Remove the HDD and send the device for repair.

Answer: A

NEW QUESTION 73

A technician needs to call a user's cellular provider to troubleshoot a network speed issue with the user's mobile device. Which of the following technologies is the technician troubleshooting?

- A. Long-term evolution
- B. Near-field communication
- C. Radio frequency ID
- D. Z-wave

Answer: A

NEW QUESTION 76

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 78

A user notices a laser printer is picking up multiple sheets of paper from one of its paper trays. The problem started last week and has gotten worse. Which of the following is MOST likely the cause of this problem?

- A. Separation pad
- B. Feed roller
- C. Registration roller
- D. Duplex assembly

Answer: A

NEW QUESTION 83

Which of the following devices is used to implement network security policies for an environment?

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

Answer: A

NEW QUESTION 86

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 89

A technician is replacing a broken screen on a new company laptop but does not have repair information from the vendor. Which of the following is the BEST way to proceed?

- A. Document and label the cable and screw locations.
- B. Replace the screen with a non-OEM.

- C. Update the firmware on the device before repairing it.
- D. Wait for the vendor to provide more information.

Answer: A

NEW QUESTION 91

An end user has signed up to use a web-based calendar application. Which of the following solutions has the user purchased?

- A. DaaS
- B. SaaS
- C. PaaS
- D. IaaS

Answer: B

NEW QUESTION 94

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 98

A client brings in a smartphone with a cracked screen to be repaired During the repair process, the technician places the screws in a small container to prevent losing them. The technician tests the replacement screen to ensure it works properly before dosing the device. Once the device is back together however it does not power on. The technician disassembles the device once again to test the screen and finds it has shorted out Which of the following disassembly procedures should the technician have followed to prevent this from occurring?

- A. Label the locations of the screws
- B. Refer to manufacturer resources
- C. Document the orientation of the cables
- D. Use the appropriate hand tools

Answer: A

NEW QUESTION 102

A customer reports being unable to access email on desktop workstation, however, other office application are working. A technician determines the computer has an IP address of 169.254.1.10. The technician learns from the customer that the computer recently was moved across the room. Which of the following troubleshooting steps should technician take NEXT?

- A. Check the default gateway
- B. Verify physical Ethernet connections
- C. Test web browser functional
- D. Restrict the computer
- E. Resolve the IP address conflict

Answer: E

NEW QUESTION 106

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