

220-1001 Dumps

CompTIA A+ Certification Exam: Core 1

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NEW QUESTION 1

A technician upgraded the memory on a server from two 8GB sticks to eight 32GB. The server memory is now at full capacity per the user guide. When the technician powers on the system, only 128 GB of memory is recognized by the OS and the BIOS. The technician decides to upgrade to the latest version of the firmware on the system, which does not help. Next, the technician installs the memory in sets of 64GB at a time. Each individual set of 64GB is fully recognized by the server.

Which of the following will not allow the server to recognize all of the memory installed at the same time?

- A. The power supply is not supplying enough power for the memory.
- B. The memory has too many ECC errors and is shutting down
- C. The server is overheating when all of the memory is installed.
- D. The server needs DDR4 memory, and DDR3 is installed.

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 removed when space is freed up, is known as:

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

Answer: A

NEW QUESTION 4

A user sets up cable modem at home and connects the modem to the ISP at the cable company. Which of the following network types does this connection describe?

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

Answer: A

NEW QUESTION 5

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

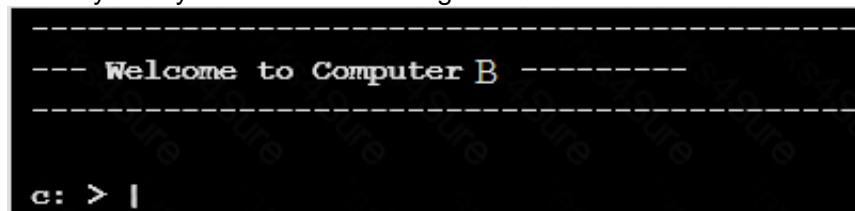
NEW QUESTION 6

The network administrator has changed the IP address of ComputerA from 192.168.1.20 to 10.10.10.20 and now Jane, a user, is unable to connect to file shares on ComputerA from ComputerB using the computer name.

INSTRUCTIONS

Using the available tools, resolve the connectivity issues. After troubleshooting the issue, verify a successful connection.

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

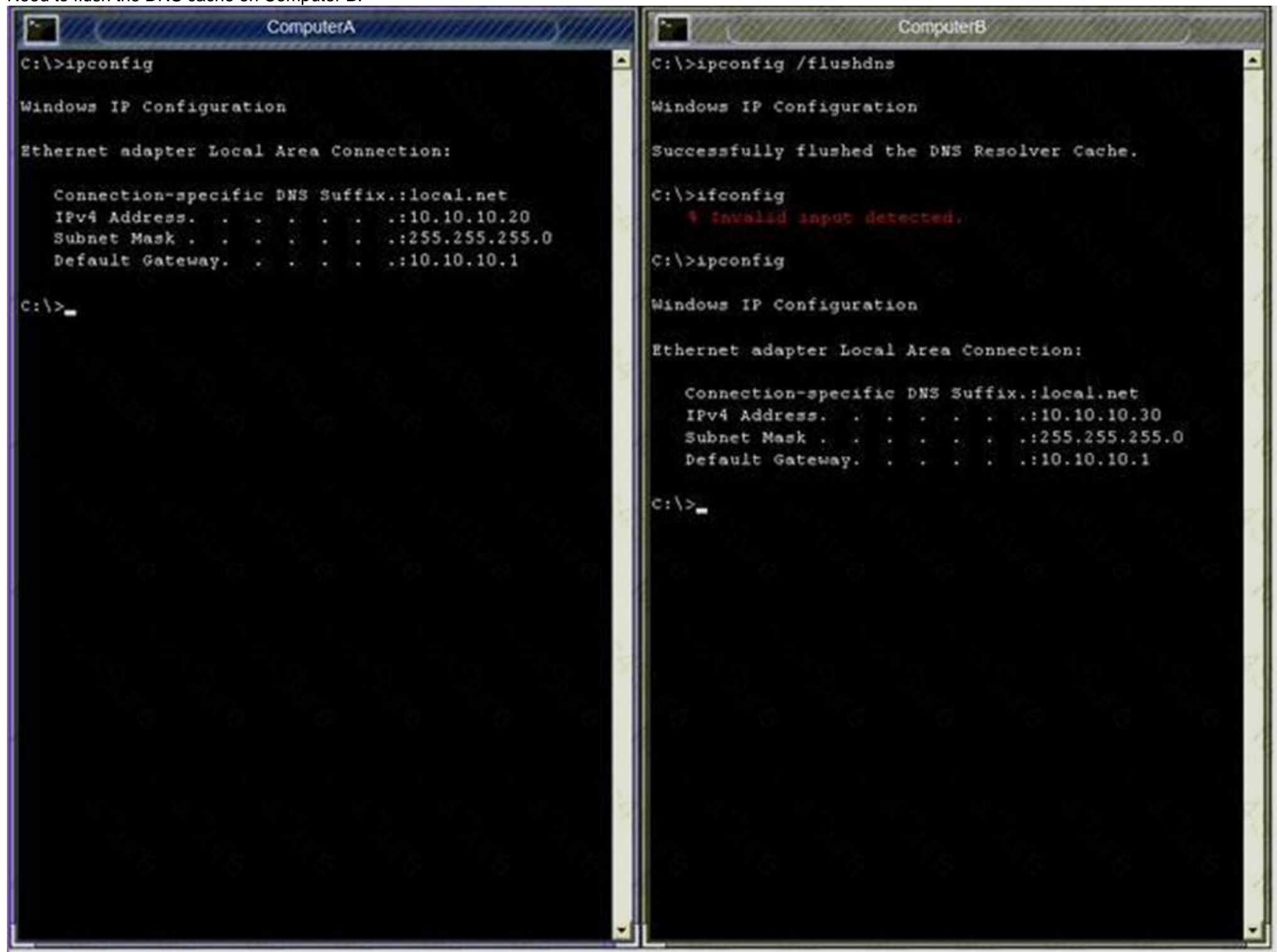


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Need to flush the DNS cache on Computer B:



Type in ipconfig/flushdns

NEW QUESTION 7

A user reports being unable to print to a network-based all-in-one printer. The issue consistently appears after power outages Which of the following should a technician perform to resolve the issue?

- A. Run Windows Update on the user's machine.
- B. Disable the firewall on the user's machine.
- C. Set a static IP address on the printer
- D. Reinstall the printer with vendor-provided drivers

Answer: C

NEW QUESTION 8

Which of the following has a P4 connector to provide a 12V output?

- A. Molex connector
- B. 24-pin adapter
- C. SCSI cable
- D. eSATA cable

Answer: A

NEW QUESTION 9

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 10

A bank employee contacts the help desk for assistance with setting up a new computer. Which of the following peripherals will the technician MOST likely install alongside the device? (Select TWO)

- A. Magnetic reader
- B. Signature pad
- C. Flatbed scanner
- D. Web camera
- E. External storage drive

Answer: AD

NEW QUESTION 10

A customer accidentally drops a laptop while it is charging. The next day, the customer notices the laptop will not turn on and calls a technician to investigate. The technician confirms the laptop will not turn on and calls a technician to investigate. The technician confirms the laptop will not turn on even though it is connected to the power adapter.

Which of the following components is the MOST likely cause of this behavior?

- A. Power adapter
- B. Battery
- C. DC jack
- D. Hard drive

Answer: C

NEW QUESTION 12

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 16

A user is having a problem with printing a specific document type.

The network printer OCP shows that the printer is online with no errors. Other users are not having the same issue. The user sends the document to another printer and the document prints.

Which of the following should a technician do FIRST in troubleshooting the problem?

- A. Stop and restart the PC print spooler service.
- B. Verify the user is sending the document to the correct printer queue.
- C. Have each user send the same document to the correct printer queue.
- D. Stop and restart the print server queues, and then have the user resend the document.

Answer: B

NEW QUESTION 17

Which of the following is an APIPA address?

- A. 162.200.1.1
- B. 167.100.1.1
- C. 168.254.0.1
- D. 169.254.1.1

Answer: D

NEW QUESTION 22

A technician wants the number of virtual machines hosting a web application in the public cloud environment to scale based on real-time traffic on the website.

Which of the following should the technician configure?

- A. Resource pooling
- B. Rapid elasticity
- C. Measured service
- D. High availability

Answer: B

NEW QUESTION 23

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

- A. On-demand
- B. Metered
- C. Rapid elasticity
- D. Resource pooling

Answer: C

NEW QUESTION 27

A technician replaced a broken LED screen on a mobile computer. The operating system can be seen perfectly on screen, but the touch screen is non-responsive. Which of the following are the MOST probable root causes for the given failure? (Choose three.)

- A. The hardware replacement used is a non-touch-screen.
- B. The touch screen must be calibrated after a replacement.
- C. The digitizer cable is not seated properly on the motherboard.
- D. The new touch-screen drivers must be installed.
- E. The replacement part is dead-on-arrival.
- F. The LCD panel firmware must be updated.
- G. The grounding screws are not securely attached.

Answer: ACD

NEW QUESTION 30

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 attempting to browse to a website 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 finding in the organization local knowledge base.

Answer: C

NEW QUESTION 31

A technician is setting up a printer for a small office that does not have an RJ-45 jack. The users' computers are all in the same workgroup and are connected physically to the same network switch. The technician needs to make sure all users can print to the new printer through the switch. Which of the following should the technician configure?

- A. Shared printer
- B. Print server
- C. Bluetooth printing
- D. Cloud printing

Answer: A

NEW QUESTION 35

Which of the following BEST describes the purpose of an IPv4 subnet mask?

- A. It defines where network and host bits exist
- B. It is used to find the default gateway on a LAN
- C. It gives users the ability to send and receive data.
- D. It allows the ability, when needed, to bridge subnets.

Answer: A

NEW QUESTION 40

Which of the following resource types would be BEST suited to saving photographs from a mobile device with limited onboard storage?

- A. Cloud file services
- B. Virtual desktop
- C. Off-site email
- D. Resource pooling

Answer: A

NEW QUESTION 42

Which of the following is the MOST likely cause for a network PC to have an APIPA address?

- A. DHCP failure
- B. DNS resolution
- C. Duplicate IP address
- D. Cleared ARP cache

Answer: A

NEW QUESTION 45

Which of the following charging and data ports has a non-directional connector?

- A. Micro-USB
- B. Mini-USB
- C. USB-A
- D. USB-C

Answer: D

NEW QUESTION 47

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

Answer: AB

NEW QUESTION 50

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

Answer: A

NEW QUESTION 51

An administrator is configuring a virtualization workstation that will host several mission-critical VMs for the human resources department. The workstation will be required to support multiple users at once, and large amounts of data will be accessed daily. Which of the following components will BEST meet these requirements? (Select THREE).

- A. Quad-core CPU
- B. Solid-state drives
- C. Additional RAM
- D. Redundant PSUs
- E. RAID 0 array
- F. High-end GPU
- G. RAID 6 array

Answer: ACG

NEW QUESTION 55

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 58

Joe, a user, recently purchased a new multifunction printer and attempted to install it himself. He informed a technician that the printer is on his list of printers, but he is unable to print. The technician sees that the printer is listed as a generic printer under Devices and Printers. Which of the following should the technician do NEXT?

- A. Reboot the computer into safe mode and try to print a test page
- B. Download the correct drivers from the manufacturer's website and install them
- C. Unplug the USB cable from the printer and try another USB slot on the PC
- D. Set the printer as the default within the device properties

Answer: B

NEW QUESTION 59

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 60

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 65

A technician is hired to install network cable in a crawl space running the length of a hallway. To do so without a fire code violation, which of the following types of cable should the technician run?

- A. Plenum
- B. Fiber
- C. Shielded
- D. Coaxial

Answer: A

NEW QUESTION 68

A technician is replacing the LCD panel in a laptop. Which of the following components is MOST likely to be damaged accidentally during the repair?

- A. Bezel
- B. Hinge
- C. Motherboard
- D. Digitizer

Answer: D

NEW QUESTION 70

The network administrator has changed the IP address of ComputerA from 192.168.1.20 to 10.10.10.20 and now jane, a user, is unable to connect to file shares on ComputerA from ComputerB using the computer name.

INSTRUCTIONS

Using the available tools, resolve the connectivity issues. After troubleshooting the issue, verify a successful connection.

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```
Reply from 10.10.10.10.30: bytes=32 time=13ms TTL=52
Reply from 10.10.10.10.30: bytes=32 time=13ms TTL=52

Ping statistics for 10.10.10.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 13ms, Maximum = 13ms, Average = 13ms

c:\> ?
    % Invalid input detected, query help for valid commands.
c:\> help

    ipconfig
    nslookup
    ping
    tracert

    help

c:\> nslookup
    % Invalid input detected, query help for valid commands.
c:\> nslookup
    % Invalid input detected, query help for valid commands.
c:\> help

    ipconfig
    nslookup
    ping
    tracert
    help

c:\>
```

```
-----
--- Welcome to Computer B -----
-----

c:\>
```



```
-----  
c:\> ipconfig
```

```
Windows IP Configuration
```

```
Ethernet adapter Ethernet:
```

```
Connection-specific DNS Suffix . . . . . : local.net  
IPv4 Address . . . . . : 10.10.10.30  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . : 10.10.10.1
```

```
c:\> ping 10.10.10.20
```

```
Pinging 10.10.10.20 with 32 bytes of data:  
Reply from 10.10.10.20: bytes=32 time=13ms TTL=52  
Reply from 10.10.10.20: bytes=32 time=13ms TTL=52  
Reply from 10.10.10.20: bytes=32 time=13ms TTL=52  
Reply from 10.10.10.20: bytes=32 time=13ms TTL=52
```

```
Ping statistics for 10.10.10.20:  
Packets: Sent = 4, Received = 4, Loat = 0 (0% loss),  
Approximate round trip times in milli-seconds:  
Minimum = 13ms, Maximum = 13ms, Average = 13ms
```

```
c:\> nslookup
```

```
* Invalid input detected, query help for valid commands.
```

```
c:\>  
computerB
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

We need to flush the DNS to have the new IP address assigned to the same computer name. Use the ipconfig/flushdns command.

NEW QUESTION 75

A user notices the system clock is changed every morning. The computer is shut down daily. A technician checks the time zone and finds it is correct, and then checks the BIOS settings and finds the time to be incorrect. Which of the following is MOST likely the problem?

- A. The CMOS pattering does not have a charge.
- B. Daylight savings time is not enabled.
- C. BIOS time is set to universal time coordinated.
- D. The NTP server has gone off line.

Answer: A

NEW QUESTION 80

The cloud model that represents a company maintaining some data in on-premise storage and some data in cloud-based storage is known as:

- A. hybrid
- B. private

- C. public
- D. community

Answer: A

NEW QUESTION 84

A user purchases a wireless printer and sets it up in an office. The user installs all necessary software for the printer on the computer and connects the printer to the guest wireless network. However, when the user attempts to print to the printer, nothing happens. Which of the following will resolve the issue?

- A. Set up the user's computer to act as a print server.
- B. Configure the printer to use the Internet printing protocol.
- C. Ensure the user's computer is set to DHCP.
- D. Connect the printer to the company wireless network.

Answer: D

NEW QUESTION 88

The corporate office has mandated that all documents must be electronically signed and encrypted with a certificate in order to be stored on the network. The IT department has been asked to ensure the proper file format is used to accomplish this task. Which of the following would satisfy the requirement?

- A. Print to PDF
- B. Print to file
- C. Print to image
- D. Print to XPS

Answer: A

NEW QUESTION 93

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 97

A technician configures a new printer to be accessible via a print server. After setting up the printer on a Windows client machine, the printer prints normally. However, after setting up the printer on a macOS client machine, the printer only prints garbled text. Which of the following should the technician do to resolve this issue?

- A. Add a macOS-compatible print driver to the printer object on the print server.
- B. Configure the Windows client to share the printer with the macOS client.
- C. Set the printer on the macOS client to connect to the print server via IPv6.
- D. Ensure the network time of the macOS client matches that of the print server.

Answer: A

NEW QUESTION 99

A server needs a RAM upgrade, and a technician has been tasked with retrieving the RAM from storage and then installing it. Which of the following is the BEST RAM type for the technician to retrieve?

- A. SoDIMM
- B. DDR4
- C. Single channel
- D. ECC

Answer: B

NEW QUESTION 101

A technician is configuring a new web server and must have over 10TB of fault-tolerant storage, while minimizing the number of failure points. The applications on the server also require the highest performance available. Which of the following configurations would the technician MOST likely select?

- A. RAID 0 with 1500rpm 15TB drives
- B. RAID 1 with 1000rpm 8TB drives
- C. RAID 5 with 7200rpm 5TB drives
- D. RAID 10 with 5400rpm 6TB drives

Answer: D

NEW QUESTION 105

Which of the following features will save the battery life of a laptop significantly if they are disabled? (Choose two.)

- A. Touchpad
- B. Volume
- C. Screen orientation
- D. Cellular
- E. Bluetooth
- F. Fingerprint reader

Answer: DE

NEW QUESTION 110

A technician is setting up a new wireless network at a branch office that previously had only wired connectivity with statically assigned IP addresses. After setting up the network, the technician configures a server to provide IP addresses to wireless clients. During testing, the technician is unable to access the Internet or named network resources. The technician receives a valid IP address from the DHCP server and can ping the default gateway. Which of the following should be technician check NEXT to resolve this issue?

- A. Ensure the options are configured to provide a DNS server.
- B. Verify the Windows Firewall is turned off.
- C. Configure the wireless network's SSID to be hidden.
- D. Enable file and printer sharing in the OS.

Answer: A

NEW QUESTION 111

A user reports that printing on heavy cardstock paper results in the image smearing if touched. When printing on plain paper, the problem does not occur. Which of the following would be the NEXT troubleshooting step to perform?

- A. Increase the fuser temperature.
- B. Change the paper feed rate.
- C. Clean the transfer roller.
- D. Replace the toner cartridge.

Answer: A

NEW QUESTION 112

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