

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

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 3

A technician is setting up a laptop and projector for a presentation. When plugging in the projector, it mirrors the desktop screen from the laptop but everything appears distorted and compressed. Which of the following should the technician do to correct the appearance of the image on the projector?

- A. Update the laptop graphics driver
- B. Change the scaling options.
- C. Change the desktop resolution
- D. Replace the video cable.
- E. Utilize a USB VGA graphics adapter
- F. Adjust the keystone settings on the projector

Answer: C

NEW QUESTION 4

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 5

A user logs on a PC and receives a message stating there is a duplicate IP address on the network. After a system restart, the user notices the same error. Which of the following is the MOST probable cause of the error?

- A. The user is still logged into another device.
- B. The user has set a static IP address.
- C. The user has moved to a different office.
- D. The user has wireless and wired connections.

Answer: B

NEW QUESTION 6

Joe, a user, wants his desktop RAID configured to allow the fastest speed and the most storage capacity. His desktop has three hard drives. Which of the following RAID types should a technician configure to achieve this?

- A. 1
- B. 5
- C. 10

Answer: A

NEW QUESTION 7

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

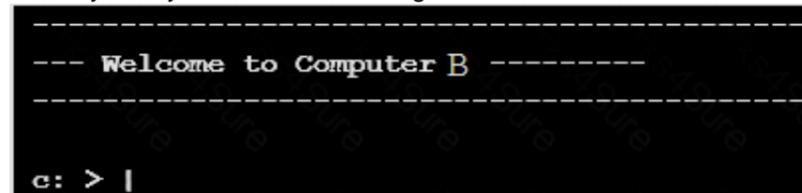
Answer: A

NEW QUESTION 8

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.

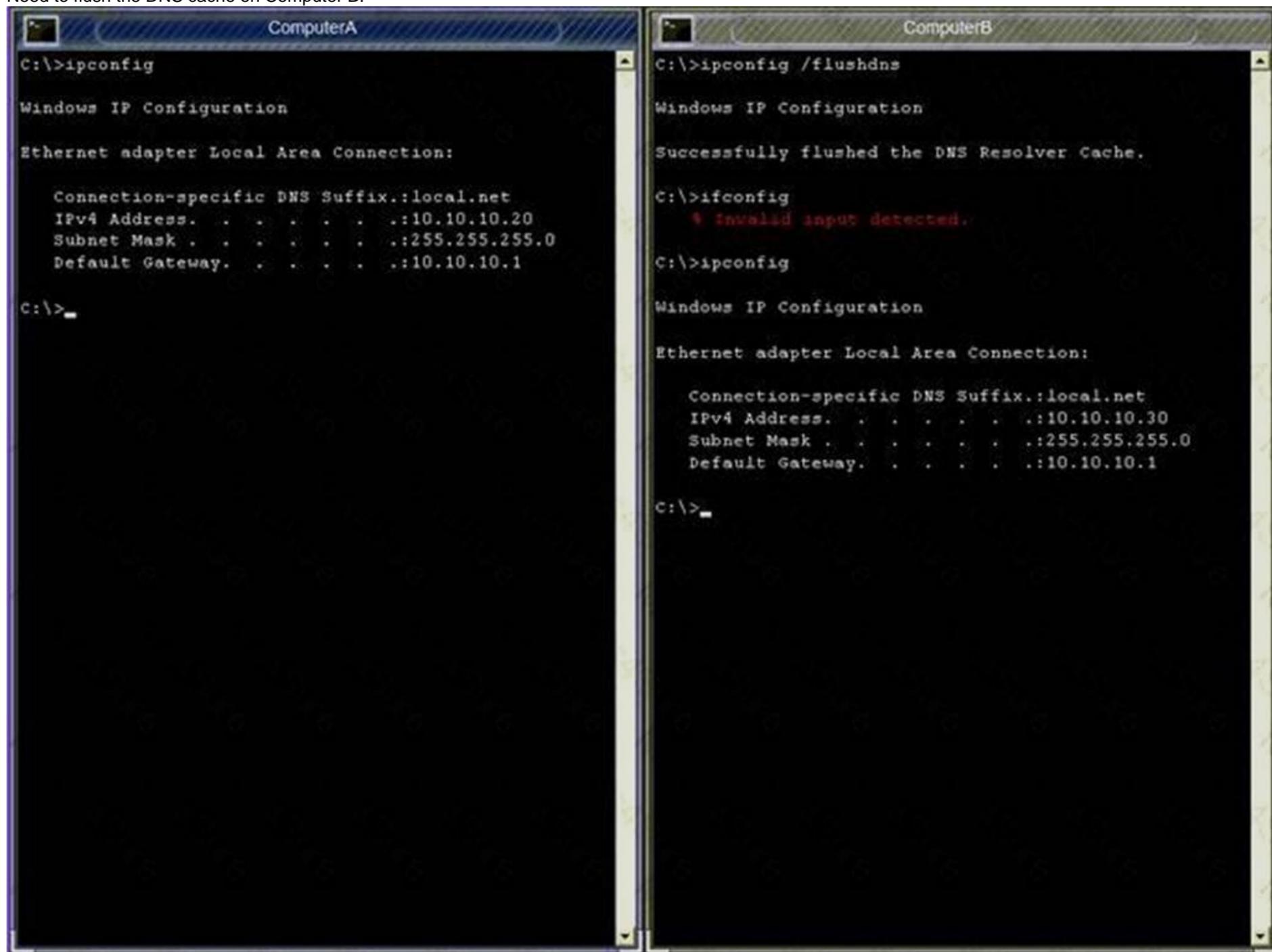


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Need to flush the DNS cache on Computer B:



Type in ipconfig/flushdns

NEW QUESTION 9

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 10

A user is experiencing issues synchronizing a smartphone. The user is able to connect to individual services, but each requires a different password. Which of the following needs to be configured to allow the user to access web services securely with a unique password?

- A. SIM
- B. SMB
- C. SSL
- D. SSO

Answer: D

NEW QUESTION 10

A technician wants to block remote logins to a server. Which of the following ports should be blocked?

- A. 21
- B. 23
- C. 80
- D. 443

Answer: B

NEW QUESTION 11

The ability for new computers to be automatically connected to the network is provided by the:

- A. DHCP server
- B. DNS server
- C. proxy server
- D. TACACS server

Answer: A

NEW QUESTION 13

A customer contacts the help desk stating a laptop does not remain charged for more than 30 minutes and will not charge more than 15%. Which of the following components are the MOST likely causes the issue? (Select three.)

- A. LCD power inverter
- B. AC adapter
- C. Battery
- D. Processor
- E. VGA card
- F. Motherboard
- G. Backlit keyboard
- H. Wireless antenna

Answer: ACF

NEW QUESTION 18

A server administrator set up a VM to be used in a lab setting. A technician is setting up thin-client computers to access this VM. Which of the following tasks are required to complete the project? (Choose three.)

- A. Connect the device to a printer.
- B. Install the operating system.
- 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

NEW QUESTION 23

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 27

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

- A. RFID
- B. NFC
- C. Bluetooth
- D. Zigbee

Answer: D

NEW QUESTION 32

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 35

Company management wants to be able to give users the ability to work remotely during periods of bad weather. Which of the following should be enabled to allow the workforce to do this?

- A. NAT
- B. VLAN
- C. VPN
- D. HIPS

Answer: C

NEW QUESTION 36

An end user reports a printer error that states "Replace filament". With which of the following types of printer is the end user MOST likely having problems?

- A. ink jet
- B. Laser
- C. 3-D
- D. Thermal

Answer: C

NEW QUESTION 41

Ann, a user, reports that after setting up a new WAP in her kitchen she is experiencing intermittent connectivity issues. Which of the following should a technician check FIRST?

- A. Channels
- B. Frequency
- C. Antenna power level
- D. SSID

Answer: A

NEW QUESTION 44

A user accidentally spills liquid on a laptop. The user wants the device to be fixed and would like to know how much it will cost. Which of the following steps should the technician take NEXT to verify if the device is repairable before committing to a price? (Choose two.)

- A. Remove the case and organize the parts.
- B. Document the screw locations.
- C. Search the Internet for repair tutorials.
- D. Consult colleagues for advice.
- E. Place the device in rice for a few days.

Answer: AB

NEW QUESTION 46

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 47

A user is no longer able to browse the Internet after returning from vacation. The user is able to log in and navigate to the local intranet, but not to any outside sites. A technician pings a well-known website by name but gets no reply. The technician then pings its IP address and gets a reply. Which of the following commands will MOST likely resolve the issue?

- A. ipconfig /all
- B. ipconfig /flushdns
- C. ipconfig /release
- D. ipconfig /setclassid

Answer: B

NEW QUESTION 49

A business owner wants to provide security to laptop users with the ability to charge their devices, access corporate LAN resources, and allow for a variety of their removable hardware.

Which of the following devices would BEST meet the owner's needs?

- A. Docking station
- B. Port replicator
- C. Thunderbolt
- D. USB hub

Answer: A

NEW QUESTION 53

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 56

The touch-screen feature on a Windows device has stopped working. Which of the following should the technician check FIRST?

- A. Device Manager
- B. Performance Monitor
- C. System configuration
- D. Digitizer settings

Answer: D

NEW QUESTION 58

A network administrator is attempting to access the firewall while inside the datacenter. Which of the following peripherals must be connected to do so?

- A. KVM
- B. Touchpad
- C. Mouse
- D. Keyboard

Answer: A

NEW QUESTION 61

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?

- A. Enable QoS on network traffic, prioritizing telecast traffic over uploads.
- B. Upgrade video conference room equipment.
- C. Create a VLAN for all employees updating social media.
- D. Adjust the network intrusion device to allow video to flow without filtering.

Answer: A

NEW QUESTION 62

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 64

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 68

A user brings in a smartphone for repair. The device is unable to send/receive calls or connect to WiFi. All applications on the device are working unless they require connectivity.

Which of the following is MOST likely causing the problem?

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

Answer: A

NEW QUESTION 69

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.

```
-----  
--- Welcome to Computer A -----  
-----  
  
c: > |
```

```
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

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 72

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 75

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 80

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

NEW QUESTION 82

A client has three locations within city limits that need to be networked. Vendor network requirements for all three locations are a minimum of 1GB. Which of the following are the types of networks that will MOST likely be used for internal office and office-to-office networking? (Choose two.)

- A. MAN
- B. LAN
- C. WAN
- D. PAN
- E. SAN
- F. WLAN

Answer: AB

NEW QUESTION 87

A user states the department laser printer continues to display a paper jam error message despite the jam being cleared. Which of the following should a technician do to troubleshoot this problem?

- A. Check the paper path for blocked sensors
- B. Replace the duplex assembly
- C. Run the printer's internal diagnostics
- D. Verify the pickup rollers are in working order

Answer: A

NEW QUESTION 91

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 92

A technician is setting up a VM for use in testing software deployments. The VM is offline, but the hypervisor is not. Which of the following settings should the technician change to resolve this issue?

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

Answer: C

NEW QUESTION 97

A customer has two 8GB sticks of 2400-speed DDR4 installed in slots 1 and 2 of a computer and wants to add more RAM. The customer purchases two additional 4GB sticks of 3200-speed DDR4 and installs them in slots 3 and 4. While installing the RAM into the board, the user notices the board has "quad channel" etched near the RAM slots.

Which of the following can be said about the user's channel configuration after upgrading the RAM?

- A. The computer is utilizing one channel.
- B. The computer is utilizing two channels.
- C. The computer is utilizing three channels.
- D. The computer is utilizing four channels.

Answer: D

NEW QUESTION 102

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 103

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 107

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 111

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 116

A network administrator must install a device that will proactively stop outside attacks from reaching the LAN. Which of the following devices would BEST meet the organization's needs?

- A. IPS
- B. IDS.
- C. Proxy server
- D. Authentication server.

Answer: A

NEW QUESTION 121

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