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SK0-004



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Exam A

QUESTION 1

An administrator is developing a storage growth plan for a new file server. Which of the following should be implemented on the server so that storage growth is restricted?



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- A. Disk quotas
- B. Disk compression
- C. Automatic usage reports
- D. Automatic defragmentation

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

A server administrator is researching the purchase of SSD for a server. The administrator receives a report from the datacenter technician detailing current storage requirements and future growth planning estimates as follows:

ServerA: Current-15TB-Future-50% growth

ServerB: Current-20TB-Future-80% growth

Based on this report, which of the following represents the MINIMUM storage requirements needed?

- A. ServerA-18TB, ServerB-24TB
- B. ServerA-22TB, ServerB-22TB
- C. ServerA-23TB, ServerB-36TB
- D. ServerA-25TB, ServerB-40TB

Correct Answer: C

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Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

Which of the following provides two-factor authentication?

- A. Bank card and PIN.
- B. Username and password.
- C. Fingerprint and iris scan.
- D. Key and proximity badge.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

Which of the following is the MOST secure method of storing critical and sensitive system information (e.g., administrative passwords, trusted signing keys)?

- A. Store the information encrypted and offline in a storage safe.
- B. Encrypt the information using a zip file with a password.
- C. Utilize a drive with full disk encryption enabled.
- D. Create an encrypted virtual disk for storage.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

A network administrator is tasked to block all outbound SSH connections on the default port from a network subnet of 10.152.8.0/21 on a Linux based firewall. Which of the following rule sets would accomplish this task?

- A. iptables -i OUTPUT -d 10.152.8.0/21 -p TCP --dport 22 -j REJECT
- B. iptables -i OUTPUT -d 10.152.8.0/21 -p TCP --dport 23 -j REJECT
- C. iptables -i OUTPUT -d 10.152.8.0/21 -p TCP --dport 22 -j ACCEPT
- D. iptables -i OUTPUT -d 10.152.8.0/21 -p TCP --dport 23 -j ACCEPT

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

A company has recently had sensitive data stolen by a contractor who plugged a flash drive into a server. Which of the following is the BEST method to prevent future occurrences?

- A. Disable any unused physical ports until needed
- B. Implement a BIOS password on all the servers
- C. Install chassis locks on all the servers
- D. Restrict usage of flash drives in company policy

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

Network devices between two firewalls are included in which of the following?

- A. VPN
- B. SAN
- C. VLAN
- D. DMZ

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

A system administrator is tasked with dividing the network so that each department is separate from the other. Which of the following should be used to accomplish this task?

- A. VLAN
- B. VPN
- C. VNC
- D. VM

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9

Which of the following is an example of the principle of least privilege and is the MOST secure when granting access to a shared network drive used by the Accounting department?

- A. Grant appropriate permissions to only users in the Accounting department for both the share and NTFS
- B. Grant all users full control permissions for the share only
- C. Grant the Accounting department full control for the share and appropriate NTFS permissions
- D. Grant modify permissions to the Accounting department and deny NTFS permissions to all other users

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

Which of the following methods should a technician perform to properly clear a hard drive before disposal?

- A. Delete the FAT
- B. Zero all block sectors
- C. Delete the partition
- D. Zero the NTFS journal

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

A server unexpectedly shut down as a result of overheating. An alert was sent to the administrator's email address but the administrator was away from the workstation when the alert arrived. Which of the following would have been a more effective method for sending the alert notification?

- A. Broadcast messages
- B. SMS messages
- C. Telephone calls
- D. Console notifications

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12

A server technician in a datacenter configures a daemon to monitor the battery health in a UPS. Over a two day time period, the daemon generates a warning message. Which of the following represents the FIRST action that should be taken by the server technician?

- A. Perform a test on the UPS batteries
- B. Immediately replace the UPS batteries
- C. Move the servers connected to the UPS to another existing UPS
- D. Immediately replace the UPS with a new UPS

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

A server technician is performing a server installation. This server must be able to resolve host names for users running a variety of client operating systems. At a minimum, which of the following services should be enabled on the new server? (Select TWO).

- A. NAT
- B. DNS
- C. LDAP
- D. WINS
- E. SNMP
- F. DHCP

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

A technician has finished installing the operating system on a new server and needs to provide IP addressing information. The server will be connected to the DMZ network. Devices on the network use a default gateway address of 192.168.55.1. Which of the following is a valid IP address for a server in the DMZ network?

- A. IP: 192.168.55.1, NETMASK 255.255.255.0
- B. IP: 192.168.55.5, NETMASK 255.255.255.128
- C. IP: 192.168.55.155, NETMASK 255.255.255.128
- D. IP: 192.168.55.255, NETMASK 255.255.255.0

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

Clients cannot connect to the network. A technician determines that port 68 is not open. Which of the following protocols is being blocked?

- A. POP3
- B. DNS
- C. LDAP
- D. DHCP

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

A technician is asked to troubleshoot a server that constantly reboots. There are no error messages displayed on the server. Which of the following should the technician check?

- A. Cooling failure
- B. Cable mismatch
- C. BIOS driver failure
- D. Port conflict

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

A technician receives an error message when trying to boot the server stating the operating system was not found. Change management logs indicate a new hard drive backplane was installed in the server last night. Which of the following should the technician do FIRST when troubleshooting the issue?

- A. Check system board cables
- B. Rebuild RAID array

- C. Reinstall server OS
- D. Remove newly installed hardware

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

A database server stops responding to requests, and the administrator suspects that the server is experiencing memory faults during heavy network traffic and database access. Which of the following is the FIRST troubleshooting step?

- A. Check the security log.
- B. Check the application logs.
- C. Check the debug report.
- D. Check the POST error log.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

A technician is troubleshooting a Linux server and wants to inspect the free disk space on the /dev/sda partition of the system. Which of the following command line tools should the administrator run to view available disk space on the partition?

- A. dd
- B. du
- C. ls
- D. df

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

A system administrator notices that a server is consistently getting slower and less responsive the longer it has been since the last reboot. Once the server is rebooted, the system performs at the expected baseline, but starts slowing down again until the system is unresponsive. Which of the following is the MOST likely cause of this problem?

- A. OS performance misconfiguration
- B. Service/application memory leak
- C. Incorrect server resource specifications
- D. Corrupted application files

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

Users on a network segment report that they are unable to connect to a newly installed file server. The file server IP address settings are as follows:

IP address: 10.0.10.254
Subnet Mask: 255.255.255.0
Default Gateway: 10.10.10.1

Which of the following changes should the server administrator make?

- A. Change the IP address on the server to 10.10.0.254.
- B. Change the IP address on the server to 10.10.10.254.
- C. Change the default gateway on the server to 10.10.10.254.
- D. Change the subnet mask on the server to 255.255.0.0.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

A new DHCP server is placed on a network segment during off hours. When work resumes, users on a different network segment report connectivity issues. Users on the same network segment report no connectivity issues. Which of the following is the MOST likely reason for the connectivity issues?



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- A. The DHCP server was configured without specifying a WINS server address for the users.
- B. The DHCP server was configured without specifying a DNS server address for the users.
- C. The DHCP relay agent was not configured on the adjacent network segment.
- D. The DHCP server was configured to use private IP addressing to all network segments.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

A server administrator is notified that all three hard disks in a server array have failed. Which of the following is the MOST likely cause?

- A. Incompatible BIOS
- B. Backplane failure
- C. Cache battery failure
- D. Incorrect firmware version

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

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QUESTION 24

When troubleshooting a failed backup, a technician runs the backup using the same tape but on a different tape drive in the same tape library. The backup fails again. Which of the following should be the FIRST item the technician should examine as a failure?

- A. Tape drive
- B. Tape library
- C. Tape media
- D. Tape capacity

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

An administrator is securing a secure web server by disabling ports. After completing this process, clients cannot access the secure web server. The administrator should now go back and verify whether which of the following ports is enabled?

- A. 23
- B. 389
- C. 443
- D. 445

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

A server technician is investigating a potential data breach. It is believed that the breach occurred via telnet access. Which of the following could validate this hypothesis?

- A. Port scanner
- B. Cipher tools

- C. Checksum analyzer
- D. TDR

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

Users report that an application is unable to connect to a server on the same network segment. Which of the following is the MOST likely reason?

- A. The external firewall is preventing access to the server.
- B. The DMZ is incorrectly configured.
- C. The syslog server detects malware on the server.
- D. The application is using a port that is closed on the server.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28

A technician is replacing a faulty NIC in a server. According to best practices, which of the following should be used to configure the IP address on the server?

- A. DNS reservation
- B. DHCP IP address
- C. DHCP reservation
- D. Static IP address

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29

A technician needs to add a processor to a server. Which of the following specifications should the technician examine? (Select THREE).

- A. Bus multiplier
- B. Processor speed
- C. Socket type
- D. Processor stepping
- E. L3 cache size
- F. Thermal specifications

Correct Answer: BCD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

A server's runtime during power outages is too short to shut down properly. A system technician is asked to remediate the problem. Which of the following would be the result of adding additional batteries to the UPS?

- A. Increased load balancing
- B. Extended uptime
- C. Greater efficiency
- D. Increased power output

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

A system administrator wants to assure that a server is responsive. Which of the following networking tools should the administrator use to verify network connectivity?

- A. arp

- B. netstat
- C. ipconfig
- D. ping

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32

Two new applications have been added to a working server. The server response is now very slow. An appropriate plan of action is to:

- A. uninstall each server application and reinstall the two new applications.
- B. install another application to see if this improves the server response time.
- C. install antivirus and malware software.
- D. uninstall the newly installed applications one at a time.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33

Which of the following is the core software application that manages computer virtualization?

- A. Hypervisor
- B. Hyperthreading
- C. Console
- D. KVM

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34

Which of the following is a requirement for a server to allow guests to be installed on a hypervisor host?

- A. Processors with multiple cores
- B. Processors with available cache
- C. Processors that support virtualization
- D. Processors that support hyperthreading

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35

Swap space or page file is reserved on the:

- A. motherboard.
- B. memory.
- C. hard disk.
- D. CPU.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

An administrator needs to deploy 1000 servers in a short period of time. Which of the following deployment methods will expedite the OS installations?

- A. Use disk duplicating software.
- B. Use USB disk images to deploy servers.
- C. Use a disk replicator.
- D. Use PXE boot to retrieve an image.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37

A network administrator is installing additional devices on the network. Currently, the network segment is utilizing all allocated IP addresses. If there are additional addresses available, which of the following would be BEST for the network administrator to perform to accommodate the new network devices?

- A. Create a new DHCP scope for the network segment in question.
- B. Configure the DHCP server for IPv6.
- C. Configure the network to use NAT for the network segment in question.
- D. Increase the size of the DHCP scope for the network segment in question.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 38

Which of the following allows virtual machines to share the NIC of the host?

- A. Virtual LANs
- B. NAT
- C. Bridging
- D. Virtual NICs

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 39

An administrator is asked to change a configuration using a GUI on a Windows server, but does not have access to a KVM. Which of the following is BEST to make the change?

- A. SSH
- B. SCP
- C. RDP
- D. NTP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 40

Several of the finance department computers are experiencing timeouts while in their financial program. The program will not open or close; however, the previous day the program was running without issues. Which of the following is MOST likely the cause of this problem?

- A. Service priority
- B. Rogue processes
- C. Firewall problem
- D. Processor affinity

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 41

A number of users are indicating that access to a network file server is responding very slowly when reading or writing to the share. The server administrator notes that a drive has failed in a four-disk RAID 5 array. The array is running in a degraded state because no hot spare was configured. After replacing the failed disk, which of the following steps would be BEST to take to prevent slow response after a drive failure?

- A. Add a drive to the array, but do not configure it as a hot spare.
- B. Add an additional hard drive, and convert the volume to a RAID 6 configuration.

- C. Add an additional hard drive, and convert the volume to a RAID 10 configuration.
- D. Add a drive to the array, and configure it as a cold spare.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42

A server has been assigned a role of mail server. Which of the following services will be installed as a result of this selection?

- A. SNMP
- B. SMTP
- C. TCP
- D. DHCP
- E. SFTP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 43

Which of the following server types stores the list of network usernames and passwords required for authentication?

- A. File server
- B. Directory
- C. DHCP
- D. SNMP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44

A company is being audited by its operating system vendor. The company needs to report the number of operating systems in use, the versions of the operating systems, and the product keys. Which of the following will be MOST helpful in passing the audit?

- A. Asset management documentation
- B. Change management logs
- C. Service manuals
- D. Server baselines

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

A system administrator notices that there is a low level of available storage space on a file server. Which of the following should be implemented to limit the amount of storage space users can utilize on the file server?

- A. Disk shadowing
- B. Disk compression
- C. Disk quota
- D. Disk indexing

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 46

Which of the following is the MOST secure to erase data before disposal of server hard drives?

- A. Hard wipe
- B. Reformat

- C. Degaussing
- D. Delete partitions

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47

Users in the accounting department report that they are unable to access a shared network drive used by all departments. Upon troubleshooting, a technician determines that three users in the marketing department, two in sales, five in human resources, and ten in IT are all successfully accessing the shared network drive. Which of the following is MOST likely causing the issue?

- A. Corrupt user profiles
- B. Incorrect NTFS group permissions
- C. The share is unsecured
- D. Excessive page filing on server

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48

A network administrator is tasked to set up zoning for a SAN infrastructure that requires redundancy. Which of the following types of hardware should the administrator implement?

- A. Multiple VLANs
- B. Multiple host nodes
- C. Multiple HBAs
- D. Multiple routers

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49

The logs on a server in a datacenter indicate that the server unexpectedly shut down minutes after the night cleaning crew started their shift. Which of the following is the MOST likely reason for the shut down?

- A. A hard disk on the server failed.
- B. A power surge occurred.
- C. The CPU on the server overheated.
- D. A memory module on the server failed.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50

A technician reads a hardware manufacturer's blog indicating a critical firmware update is available for the company's file server. Which of the following is the BEST course of action?

- A. Download and install a firmware update from a centralized server.
- B. Download the firmware update and test it on a VM.
- C. Download the firmware update and test it on a non-production server.
- D. Download the firmware update and run it on the company's file server immediately.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 51

A system administrator is tasked to set up a file server. The file server must be able to support access control lists and logging for auditing purposes. To meet these requirements, with which of the following file system types should the administrator format the file system?

- A. SMB
- B. NTFS
- C. VMFS
- D. CIFS

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 52

A user reports that a script \\Server\Share\Runme.bat, which is run on a daily basis, cannot be accessed. Which of the following is the FIRST step to take in resolving this issue?

- A. Check the network cable.
- B. Ping the gateway.
- C. Verify the workstation IP address.
- D. Ping the server.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 53

After a migration to a new server, users report that they are unable to save files to their home directories. A check of the permissions on the home directories indicate that the permissions are set as follows:

User: r-x
Group: r--
Other: r-x

A server administrator verifies the correct user and group ownership of the home directories. Which of the following will MOST likely resolve the issue?

- A. Add the w permission for the users.

- B. Add the x permission for the group.
- C. Remove the x permission for other.
- D. Remove the r permission for the group.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 54

Which of the following is the MOST complex way to directly reduce heat for computing components?

- A. Liquid cooling units
- B. Integrated high RPM fans
- C. Directed airflow with baffles
- D. Hot aisle/cold aisle

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 55

A datacenter is in a geologically active area and has no earthquake abatement installed. Which of the following drive types is BEST for general server use?

- A. Solid state drives
- B. High RPM drives
- C. Low RPM drives
- D. USB drives

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 56

Which of the following server types requires the LARGEST amount of available hard drive space?

- A. Database server
- B. Remote access server
- C. Print server
- D. Directory server

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 57

A technician is configuring switches with SFP ports on multiple floors in a building. A switch on the first floor must be connected to a switch on the second floor for trunking VLAN traffic. Which of the following would be the MOST appropriate cable type for the technician to use?

- A. Multimode fiber
- B. Coaxial cable
- C. CAT5e rollover
- D. CAT6 straight through

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 58

A system administrator is tasked to setup a database server with failover clustering feature enabled. One of the requirements is to have one database running at all times with data being synchronized and replicated to the idle database in case the primary database server fails. Both servers will be monitored by a witness on a LUN. Which of the following cluster techniques should be implemented to meet these requirements?

- A. Active/Active

- B. Active/Passive
- C. Single Local Quorum
- D. Passive/Passive
- E. Shared Multiple Quorum

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 59

A server technician is tasked to replace a RAID controller battery on a server. The server technician has no prior experience replacing a RAID controller battery. Which of the following should the server technician do to obtain the required knowledge or procedures to replace the battery?

- A. Review software specifications
- B. Review architecture diagrams
- C. Review service manuals
- D. Review service logs

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 60

In a Windows environment, a user is able to access the network folder and open items, but is not able to delete anything. Which of the following folder permissions does the user require?

- A. Execute
- B. Read
- C. Write
- D. Modify

Correct Answer: D

Section: (none)

Explanation**Explanation/Reference:****QUESTION 61**

A system technician is tasked with destroying several hard drives that contain PII. Which of the following would be the BEST method for disposing of the drives?

- A. Shred the hard drives.
- B. Complete a hard wipe.
- C. Perform a soft wipe.
- D. Delete the partition table.

Correct Answer: A

Section: (none)

Explanation**Explanation/Reference:****QUESTION 62**

A technician needs to install six blade servers. Which of the following MUST a technician install along with the blades?

- A. Blade rail kits
- B. Blade shelves
- C. Blade enclosure
- D. Blade station

Correct Answer: C

Section: (none)

Explanation**Explanation/Reference:****QUESTION 63**

A server repeatedly crashes with a BSOD when running an application that uses a high amount of system resources. Which of the following hardware components MOST likely needs to be checked by a technician?

- A. Memory
- B. Hard drive
- C. RAID controller
- D. CPU

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 64

In authentication, which of the following represents something you have?

- A. Password
- B. Fingerprint
- C. Token
- D. PIN

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 65

A technician troubleshooting a mail server determines that the server is low on available hard drive space and needs an additional hard drive installed. The server will need to be offline for the hardware installation. Which of the following troubleshooting steps should the technician do NEXT?

- A. Notify impacted users of the scheduled maintenance.
- B. Implement one change at a time.
- C. Collect additional information.
- D. Document findings, actions, and outcomes.

Correct Answer: A

Section: (none)

Explanation**Explanation/Reference:****QUESTION 66**

In a PKI, which of the following represents the top level of a certificate authority?

- A. Root CA
- B. Intermediate CA
- C. Subordinate CA
- D. Delegated CA

Correct Answer: A

Section: (none)

Explanation**Explanation/Reference:****QUESTION 67**

A server has a faulty hard drive, and the administrator needs to replace the hard drive while it is running. The server needs to support which of the following drives?

- A. Hot swappable
- B. Hot spare
- C. SAS
- D. USB
- E. Firewire

Correct Answer: A

Section: (none)

Explanation**Explanation/Reference:****QUESTION 68**

A company has 700 servers installed in 50 server racks in the datacenter. The Chief Technology Officer issued a memorandum to the IT department with a directive to reduce power and cooling consumptions by 50% in the datacenters. Which of the following should the system administrators recommend?

- A. Implement 208V 3-phase servers
- B. Implement hot aisle / cold aisle
- C. Virtualize the servers in the datacenter
- D. Replace each server with a blade server

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 69

Which of the following factors would cause a technician to select a hard drive over an SSD as a primary storage medium?

- A. Speed
- B. Power consumption
- C. Form factor
- D. Cost

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 70

Which of the following describes a rack mounted server that is 2 rack units (2U) in height?

- A. 2.5 inches (6.35 cm)
- B. 3.0 inches (7.62 cm)
- C. 3.5 inches (8.89 cm)
- D. 4.0 inches (10.16 cm)

Correct Answer: C

Section: (none)

Explanation**Explanation/Reference:****QUESTION 71**

Which of the following describes an alternate site where only the infrastructure (building, power, cooling) has been established?

- A. Mirror site
- B. Warm site
- C. Hot site
- D. Cold site

Correct Answer: D

Section: (none)

Explanation**Explanation/Reference:****QUESTION 72**

An administrator has a UPS rated at 200 amps per hour. Which of the following is the maximum runtime of this UPS when hooked up to a server drawing 400 amps per hour?

- A. 15 minutes
- B. 30 minutes
- C. 60 minutes
- D. 120 minutes

Correct Answer: B

Section: (none)

Explanation**Explanation/Reference:****QUESTION 73**

A technician is tasked by an administrator to patch a virtual machine. The technician needs to ensure that in case of failure, recovery of the virtual machine will be possible. Which of the following recovery principles should the technician employ?

- A. Incremental
- B. Snapshot
- C. Bare metal
- D. Selective

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 74

An administrator would like to determine what port and services are running locally on a server. Which of the following Windows command lines and shell tools should the administrator use? (Select THREE).

- A. get-services
- B. show ports
- C. sc query
- D. netstat
- E. vmstat
- F. show services

Correct Answer: ACD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 75

Which of the following is the number of 7-inch high servers that can be installed in a 42U rack?

- A. 4
- B. 5
- C. 10
- D. 12

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 76

A server administrator has been given the following information from the network team in order to configure IP addresses on a new server:

Network Address: 199.90.10.32/28

The network team also instructed the server administrator to use the LAST usable address on the given network. Which of the following IP address/subnet mask combinations should the server administrator use?

- A. 199.90.10.49, 255.255.255.240
- B. 199.90.10.47, 255.255.255.224
- C. 199.90.10.47, 255.255.255.240
- D. 199.90.10.48, 255.255.255.240

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 77

A technician performs monthly backups on a file server to a NAS device that can hold 1TB of data. The size of the monthly backups has been as follows:

Month 1 = 50GB

Month 2 = 65GB

Month 3 = 80GB

Starting with Month 1, based on the current rate of growth, in how many months will the NAS run out of available storage space?

- A. 4
- B. 5
- C. 9
- D. 11

Correct Answer: C

Section: (none)

Explanation**Explanation/Reference:****QUESTION 78**

A technician is installing a rack mounted server into a rack in a datacenter with CRAC units and blanking panels. Blanking panels are used to:

- A. lower the UPS power requirements.
- B. limit airflow leakage in the rack.
- C. limit the amount of servers that will fit into the rack.
- D. color match the server color.

Correct Answer: B

Section: (none)

Explanation**Explanation/Reference:****QUESTION 79**

An administrator purchases a new server, which contains only one Xeon processor. This server is also known as a:

- A. load balancing server.
- B. multicore server.
- C. redundant server.
- D. single-core server.

Correct Answer: B

Section: (none)

Explanation**Explanation/Reference:****QUESTION 80**

A technician is concerned about memory data corruption in a server. Which of the following memory types should be considered?

- A. Static

- B. SDRAM
- C. Dynamic
- D. ECC

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 81

A server administrator wants to upgrade the memory of the server using two memory modules. The server has two banks of memory with the following slots available: A2, A3, A4, B2, B3, and B4. In which of the following two slots should the administrator install the additional RAM?

- A. Slots A2 and A3
- B. Slots A2 and B2
- C. Slots A2 and B4
- D. Slots B2 and B3

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 82

A technician is upgrading the memory in a server. The server requires DDR3 Registered DIMMs. The server has four banks of three slots for memory and currently there is one 2GB module in each bank. When the technician attempts to add eight more 4GB modules of DDR3 unbuffered ECC memory, the memory does not fit in the slots. Which of the following is the cause of this issue?

- A. In a bank, 2GB and 4GB memory cannot be mixed.
- B. The server cannot use ECC memory.
- C. The server requires fully buffered memory.
- D. The total memory on the server cannot exceed 24GB of RAM.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 83

Which of the following power plug types would MOST likely be found in a medical facility?

- A. Tip/Ring/Sleeve
- B. Speed lock
- C. Tip/Ring
- D. Twist lock

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 84

Which of the following is a benefit of using raised floors with specially configured tiles in a server room?

- A. To provide for heat dissipation using forced air through the sub-floor.
- B. To provide for liquid cooling systems through the sub-floor.
- C. To provide a location for baffles or shrouds in the sub-floor.
- D. To provide a location for redundant power supplies in the sub-floor.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 85

Which of the following server types is commonly used for authentication and credential storage?

- A. File server

- B. Directory server
- C. Web server
- D. DNS server

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 86

Which of the following services provide hostname to IP address resolution? (Select TWO).

- A. NTP
- B. NAT/PAT
- C. DHCP
- D. DNS
- E. WINS
- F. LDAP

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 87

A server technician needs to access a remote Unix server for administration. The technician has requested that ports 23, 25, and 161 be opened on the router. After the ports are opened, the technician is still unable to connect to the Unix server. Which of the following ports should be opened on the server to allow for remote administration?

- A. TCP 21
- B. TCP 22
- C. UDP 69
- D. TCP 3389

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 88

While performing routine testing of a hot standby site located at a remote hosting center, a system administrator is unable to access one of the server operating systems to verify functionality. Which of the following is MOST applicable to access the host?

- A. KVM over IP
- B. RDP over HTTP
- C. Secure shell
- D. Serial console access
- E. VNC

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 89

A technician is tasked with creating servers that are fault tolerant and highly available. Which of the following would be the BEST solution for this task?

- A. Load balancing
- B. Virtualization
- C. Clustering
- D. Round robin

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 90

A technician is asked to troubleshoot a hardware alert on a server. The server is up and running and all users can access their data. Which of the following could the technician use to find the failed component? (Select TWO).

- A. LEDs
- B. Dataflow diagram
- C. Power supply tester
- D. LCD messages
- E. Cabling diagram

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 91

A server administrator is creating a design for a new datacenter. The servers should be configured for maximum availability and also provide caching for user information requests. Which of the following techniques should be used?

- A. Active/Passive
- B. Round robin
- C. Heartbeat
- D. Active/Active
- E. Passive/Passive

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 92

A company is planning to replace old hardware and needs to budget accordingly. Which of the following is likely to contain a list of end of life servers?

- A. The server's warranty information.
- B. The server's life cycle schedule.

- C. The asset management database.
- D. The software licensing agreement.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 93

Historical data shows that on average, a server is likely to fail once every nine months. A company has purchased 24x7, four hour hardware response to replace a server's failed hardware. Additionally, the company can restore a server to its operational status within six hours from the time the failed hardware has been replaced. Which of the following describes this scenario?

- A. The company's MTTR is ten hours.
- B. Individual servers have 99.999% uptime.
- C. Service can be restored within four hours.
- D. The operational SLA is six hours.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 94

A system administrator is given a server with an existing OS installed and four empty SAS bays. The system administrator is asked to set up a new data drive for testing with 100GB of data. For the best possible performance, which of the following should the system administrator select for the data storage?

- A. SCSI
- B. SATA
- C. Solid state drive
- D. Flash drive

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 95

A server administrator has been asked to make recommendations for purchase of a new database server that will be processing all of the company accounts. One area of concern from prior experience is the storage type used by the database server. The server is expected to have a large number of transactions that occur, but will not require a large amount of capacity for the data storage. Given these requirements, which of the following storage criteria are MOST important? (Select TWO).

- A. Capacity
- B. RPM
- C. IOPS
- D. Seek time and latency
- E. Form factor
- F. Bus width

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 96

An administrator has been tasked with making recommendations for purchasing new disks for a low I/O file server. Keeping in mind that budget and capacity are the primary concerns, which the following disk types should the administrator recommend?

- A. SATA
- B. FC
- C. SCSI
- D. SAS

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 97

When looking at an organization's file server configuration, an IT manager determines that several outages are tied to a lack of redundancy in the disk controller configuration. Which of the following features would the IT manager look for in a new configuration to correct this?

- A. Disk shadowing
- B. RAID 0
- C. Remote journaling
- D. Electronic vaulting
- E. Disk duplexing

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:

QUESTION 98

A technician is installing a server using a two-channel RAID controller, using RAID1 for the first channel and RAID5 for the second channel. If the technician has six 1TB disks total, how will this configuration look?

- A. One disk RAID1, five disks RAID5
- B. Two disks RAID1, four disks RAID5
- C. Three disks RAID1, three disks RAID5
- D. Four disks RAID1, two disks RAID5

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 99

A server administrator implements external storage for a file server. At a later time, another administrator wants to extend this storage to a second server but is unable to connect to two servers simultaneously. Which of the following storage types was implemented by the first administrator?

- A. DAS

- B. NAS
- C. VSAN
- D. SAN

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 100

A technician is tasked with connecting a server to a NAS. Which of the following connection types should be used?

- A. HBA
- B. Ethernet
- C. Fiber Fabric
- D. Multiplexer

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 101

When using multifactor authentication, which of the following represents “something you have”?

- A. A password
- B. A PIN
- C. A fingerprint
- D. An ID card

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 102

A datacenter audit finds that a number of personnel are not using access cards when entering a secured area with a coworker. Which of the following security methods could be implemented to help prevent this behavior?

- A. Mantrap
- B. Keypad
- C. Smart card
- D. Security camera

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 103

A technician would like to restrict when internal hardware components on the server are accessed. Which of the following server hardening techniques should the technician implement?

- A. Intrusion detection
- B. BIOS password
- C. Chassis lock
- D. Disabled WOL

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 104

The shortest time to recovery method in the event of a complete datacenter failure is to utilize a:

- A. warm site.
- B. hot site.

- C. cold site.
- D. private cloud.
- E. hybrid cloud.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 105

Which of the following replication methods is MOST appropriate when integrating data from multiple remote offices?

- A. Server to client
- B. Server to server
- C. Site to site
- D. Disk to disk

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 106

Server A hosts a mission-critical business application. The server has one disk and one NIC. The administrator has been asked to implement a solution to meet the business requirement that the application must maintain high availability, even in case of a hardware failure. Which of the following BEST meets this requirement?

- A. Configure failover clustering using Server A and a new server.
- B. Add multiple disks on the server and configure RAID 5.
- C. Add an additional NIC and configure the NIC as standby.
- D. Move the application to another server that has more resources.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 107

A user accidentally deleted a critical file. A technician tries to restore it from tape backup but receives an error that the file does not exist on the tape. Which of the following should the technician do FIRST?

- A. Verify that the correct tape is in the tape drive.
- B. Re-index the tape library.
- C. Schedule a differential backup to run now.
- D. Update the tape drive firmware.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 108

An administrator is validating disaster recovery mechanisms and wants to ensure backup data is usable and accurate. Which of the following should the administrator do?

- A. Backup verification and test restorability
- B. Label media for all backups
- C. Secure backup in safe location
- D. Keep all backups onsite close to the server

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 109

Which of the following troubleshooting methods would be performed after resolving an issue?

- A. Verify system connectivity

- B. Implement the solution
- C. Document findings
- D. Establish theory

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 110

A technician is working on a server that is experiencing network connectivity issues. The technician replaces the NIC on the server, but this does not resolve the issue. Which of the following troubleshooting steps should the technician do NEXT?

- A. Establish a new theory of probable cause
- B. Perform a root cause analysis
- C. Document findings, actions, and outcomes
- D. Identify additional changes to the server

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 111

A blade server indicates it has a failed hard disk in Slot 0. This is the third instance of Slot 0 disk failure in three months. Which of the following is the MOST likely cause of the failed hard disk in Slot 0?

- A. Host bus adapter
- B. Backplane
- C. Network interface card
- D. Central Processing Unit

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 112

After starting an operating system installation from DVD, a system administrator goes to work on another task and comes back to find the server back at the installation start screen. Which of the following should be done to correct this problem?

- A. Try installation again with a different DVD.
- B. Modify the device boot order in the BIOS.
- C. Monitor the operating system installation process completely this time.
- D. Swap the hard drive with a known working one.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 113

A user changed departments from sales to accounting. The user is unable to access the shared network drive containing the accounting department's files. Which of the following should a technician check?

- A. File permissions
- B. Folder redirections
- C. Local group policy
- D. Encryption type

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 114

A user is unable to save an image file to their home directory on a server. The server technician checks the disk space and ACL on the user's home directory and finds that the user has enough space and required access to write to the directory. Which of the following is the MOST likely reason why the user is unable to save the file?

- A. The user is attempting to save a file with a prohibited file extension.
- B. There are too many open files on the server.
- C. The user does not have permission to save files to the server.
- D. The hard drive containing the user's home directory, is failing.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 115

A user in the accounting department reports that print jobs are not printing. A user in the software development department also cannot print to the same printer, but can print to two other printers on different print servers. Which of the following should be the administrator's FIRST step?

- A. Determine whether the server is out of virtual memory.
- B. Check whether the print spooler service has started.
- C. Reboot the print server.
- D. Have the users reboot their workstations.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 116

An administrator receives multiple reports that users cannot access a secure website hosted on a server the administrator manages. The administrator investigates and discovers that the reason users cannot access the secure site is because:

- A. port 22 is closed.
- B. port 80 is closed.
- C. port 443 is closed.
- D. port 3389 is closed.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 117

Users on multiple network segments report that they are unable to retrieve email from a server. Which of the following commands will allow a server technician to ensure that the email service is running on the server?

- A. ifconfig
- B. ipconfig
- C. nbtstat
- D. netstat

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 118

A technician has completed the installation and configuration of a third email server. The technician has configured the firewall to permit email traffic, but the mail is only being received by the two older servers. Which of the following should the technician configure to ensure incoming email will be processed by all three servers?

- A. Enable NTP to ensure all three servers are synchronized.
- B. Configure IMAP on the new mail server.
- C. Add the DNS server option in DHCP.
- D. Update the MX record in DNS.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 119

An administrator sees a message in the system console that a drive is bad in the single-volume JBOD storage array. A few minutes later, a user calls the help desk to report an inability to read a file from a mapped drive. Which of the following should the administrator do?



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- A. Swap out the failed drive and let the array rebuild.
- B. Allow the array rebuild automatically using the hotspare.
- C. Replace the failed drive and restore the data from the last backup.
- D. Reseat the failed drive and restore the array using the parity drive.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 120

A server has recently been configured as a network firewall. After the firewall was configured, users could no longer access a remote server. Which of the following, if properly configured on the firewall, will allow users to have secure access to the remote server? (Select TWO).

- A. Allow TCP port 21
- B. Allow TCP port 22
- C. Allow TCP port 23
- D. Allow TCP port 25
- E. Allow TCP port 161
- F. Allow TCP port 3389

Correct Answer: BF

Section: (none)

Explanation

Explanation/Reference:

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QUESTION 121

Multiple users report that an application attempting to open a file retrieved from a server reports that the file is corrupted. Which of the following applications can be used on the server to verify file integrity?

- A. Checksum
- B. Port scanner
- C. Cipher
- D. Anti-malware

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 122

A new version of the primary operating system used by a company has been released. Due to some significant changes in the OS, a system administrator wants to see which remotely accessible services are enabled by default to assess the security risk prior to upgrading to the new version. Which of the following utilities should the administrator use?

- A. Cipher program
- B. Port scanner
- C. Telnet client
- D. Packet sniffer

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 123

A technician has access to a recent full backup. Data has changed since the last backup. Which of the following provides the fastest restore while minimizing backup size?

- A. Bare metal
- B. Full backup
- C. Differential backup
- D. Incremental backup

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 124

An administrator thinks that a particular network connection is dropping packets. Which of the following tools would the administrator use to BEST identify where the packets are being dropped?

- A. `tracert`
- B. `ping`
- C. `nslookup`
- D. `netstat`

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 125

A new version of the primary OS used by a company has been released. Due to some significant changes in the OS, a system administrator wants to see which remotely accessible services are enabled by default to access the security risk prior to upgrading to the new version. Which of the following utilities should the administrator use?

- A. Cipher program
- B. Port scanner
- C. Telnet client
- D. Packet sniffer

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 126

An email administrator is tasked to set up a Linux mail server. One of the requirements is to close all ports except SSH, HTTPS, SMTP, POP3, and IMAP4. Which of the following commands should be used to see which ports are currently open on the email server? (Choose two.)

- A. `lsof`
- B. `netstat`
- C. `ipconfig`
- D. `traceroute`
- E. `ping`
- F. `dig`

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 127

A network administrator finds there are several users who cannot access a particular application. The application does not launch for the users. The network administrator finds the server has not been rebooted in 192 days. Which of the following is the MOST likely cause of these issues?

- A. Memory leak
- B. Low resources
- C. Slow OS performance
- D. Service failure

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 128

A network administrator is installing additional devices on the network. The network segment is currently utilizing all allocated IP addresses. If there are additional addresses available, which of the following would be BEST for the network administrator to perform to accommodate the new network devices?

- A. Create a new DHCP scope for the network segment in question.
- B. Configure the DHCP server for IPv6.
- C. Configure the network to use NAT for the network segment in question.
- D. Increase the size of the DHCP scope for the network segment in question.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 129

Which of the following represents the directory permissions to provide least privilege for publicly readable directories on a Unix web server?

- A. rwxrwxrwx (777)
- B. rwxrwx-w- (772)
- C. rwxrwxr-x (775)
- D. rwxrwx-x (771)

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 130

A newly hired administrator is tasked to change the number of CPUs assigned to a VM. Which of the following if the FIRST step the administrator should do during a scheduled maintenance window?

- A. Create a snapshot.
- B. Back up the host.
- C. Shut down the guest.

D. Shut down the host.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 131

A small office has installed a server inside a writing closet. Users report losing connectivity to the server at various times throughout the day. Which of the following should have been considered before installing the server to prevent this issue from occurring?

- A. Airflow
- B. Redundant power
- C. Antivirus software
- D. Chassis lock

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 132

A user is unable to save an image file to the home directory on a server. The server technician checks the disk space and ACL on the user's home directory and finds that the user has enough space and required access to write to the directory. Which of the following is the MOST likely reason why the user is unable to save the file?

- A. The user is attempting to save a file with a prohibited file extension.
- B. There are too many open files on the server.
- C. The user does not have permission to save files to the server.
- D. The hard drive containing the user's home directory is failing.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 133

Which of the following virtual network settings should be used if the IP addresses of the host is to be shared with the virtual machine?

- A. NAT
- B. Bridged
- C. Host-only
- D. Custom virtual network

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 134

An administrator needs to back up changed files only and has time constraints on the back up window. Which of the following is the BEST choice for a backup strategy?

- A. Differential
- B. Snapshot
- C. Full
- D. Incremental

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 135

The Unified Extensible Firmware Interface (UEFI) allows:

- A. the ability to boot from larger than 2GB disks.
- B. CPU-dependent architecture and drivers.

- C. a non-modular design.
- D. no network capability in the current release.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 136

A technician reads a hardware manufacturer's blog indicating a critical firmware update is available for the company's file server. Which of the following is the BEST course of action?

- A. Download and install a firmware update from a centralized server.
- B. Download the firmware update and test it on a VM.
- C. Download the firmware update and test it on a non-production server.
- D. Download the firmware update and immediately run it on the company's file server.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 137

A systems administrator receives an email indicating a Windows user in finance cannot access the finance server remotely but is currently logged onto the network. Which of the following ports should be checked to determine if it is listening or open?

- A. FTP (20/21)
- B. DNS (53)
- C. RDP (3389)
- D. RDP (3893)

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 138

A server has rebooted early in the morning on the second Wednesday of each month for the past three months. No one was logged into the server at the time of the reboots, and there was no planned maintenance on any of the mornings in question. Which of the following is a server technician likely to inspect FIRST to determine the cause of the reboots?

- A. System event logs
- B. Update settings
- C. Maintenance settings
- D. Security event logs

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 139

An existing server has three 1 TB 7200 RPM SATA drives and five empty drive bays. The network manager orders three 2 TB 5400 RPM SAS drives. The technician installs them properly, but when attempting to provision the drives, a message displays "Type mismatch". Which of the following is the reason for this error message?

- A. There is a firmware mismatch on the hard drives
- B. the drives must be from the same manufacturer
- C. The drive sizes must match
- D. The SATA and SAS drives cannot be mixed

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 140

A server technician is configuring a remote site and must ensure an active-active, site-to-site replication is enabled to adhere to disaster recovery initiatives with little to no change between production and the remote site. Which of the following site types BEST represents the purpose of this remote site?

- A. Cold site
- B. Warm site
- C. Hot site
- D. Off-site

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 141

An outside contractor is hired to perform a business impact analysis of a simulated disaster. The contractor asks stakeholders what they think a hurricane would do to the business. This is an inadequate method because:

- A. the question is related to disaster recovery, not impact analysis
- B. the question is subjective and does not represent a complete business impact analysis
- C. it is impossible to perform an impact of anything simulated
- D. hurricanes vary in intensity, so the business impact is always unknown

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 142

An administrator is setting up LDAP in the environment to allow directory services authentication and login, and wants to allow secure connection only. Which of the following network ports should be allowed on the internal and external firewalls?

- A. 443
- B. 989
- C. 3268
- D. 3389

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 143

A datacenter customer reports the servers are having hardware failures at an unusual rate. A server technician is dispatched to the datacenter floor and notices several racks have condensation on their cold-side doors. Which of the following is the technician likely to report as the MOST likely cause of the hardware failures?

- A. Cooling failure
- B. Overheating
- C. Power surge
- D. Humidity controls

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 144

Which of the following should a systems administrator create to enable network connectivity on a virtual machine? (Choose two.)

- A. A virtual network
- B. A virtual network adapter
- C. A virtual network storage
- D. An extra network card on the server
- E. A virtual switch

Correct Answer: BE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 145

A systems administrator creates a new file server. Before the users can access the server, which of the following must be done FIRST?

- A. Set up an iSCSI target
- B. Configure WWN on the SAN
- C. Join domain/directory
- D. Disable the firewall

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 146

A server administrator is notified of an OS hot fix for a production server. Which of the following BEST represent how the hot fix should be applied? (Choose two.)

- A. The hot fix should be applied after testing in a non-production environment
- B. The hot fix should be applied when it is released from the vendor
- C. The hot fix should be applied after following proper change management procedures
- D. The hot fix should be applied after testing in a production environment
- E. The hot fix should be applied once it has been superseded

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 147

A customer reports their mail can send emails but not receive them. A technician arrives on-site to troubleshoot the issue. Which of the following troubleshooting steps should the technician do FIRST?

- A. Identify changes to the server
- B. Establish a theory of probable cause
- C. Escalate the problem to a manager
- D. Perform a root cause analysis

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 148

A server technician is connecting a server directly to a multilayer switch, without MDI-X. Which of the following cables should the server technician use?

- A. Crossover
- B. Coaxial
- C. Rollover
- D. Straight through

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 149

A company executive asks the network administrator to help to reduce power consumption in a datacenter. The administrator suggests changing the servers running on 110V to 220V. Which of the following will occur as a result of this action?

- A. The room temperature will be reduced
- B. Amperage consumed by each server will be reduced by 50%
- C. Twice as much heat will be generated in the server room
- D. Power redundancy will be added to the server by providing two 110V power sources

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 150

After installing a 1 TB hard drive, a technician notices the OS is reporting significantly less unformatted capacity than was expected. Which of the following is the root cause?

- A. NTFS is using up capacity
- B. The OS is reporting raw capacity
- C. The OS is reporting capacity using base 2 numbers
- D. There was old data previously stored on the drive

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 151

At the time of implementing a solution, it is important to: (Choose two.)

- A. make one change at a time and confirm resolution
- B. reverse the change if the problem is not resolved, and implement a new change
- C. immediately call an employee with more experience in problem resolution
- D. continue implementing new changes until the problem is resolved
- E. perform a root cause analysis

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 152

Immediately following a BIOS firmware update, a server detects an overheat condition and shuts down after five minutes. Which of the following should the systems administrator do FIRST?

- A. Ensure the system fans are running
- B. Disconnect the server's power and restore the backup ROM
- C. Run the hardware manufacturer's onboard diagnostics

D. Reapply thermal paste to the CPUs and heat sinks

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 153

An administrator is securing a network time server by disabling ports. After completing this process, the network time server is not functioning. The administrator should now go back and verify whether which of the following ports is enabled?

- A. 23
- B. 110
- C. 123
- D. 389

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 154

A systems administrator wants to run a report that will analyze a network's server performance at a specific point in time. Which of the following documents would be the best practice to create?

- A. Business impact analysis
- B. Network analysis
- C. Server baseline analysis
- D. network security analysis

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 155

A technician correctly powers off and replaces a cache battery on a RAID controller. When the server is powered back up, it restarts but indicates there are no logical disk volumes found. The server halts. Which of the following components should the technician check FIRST?

- A. Cache battery
- B. BIOS boot order
- C. Controller cabling
- D. Disk backplane

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 156

Which of the following access control methods allows or blocks devices based on MAC addresses?

- A. Port security
- B. ACL
- C. Host IDS
- D. Network IDS

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 157

Which of the following commands displays the network path between two devices?

- A. `ping`
- B. `tracert`
- C. `netstat`

D. route

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 158

Which of the following is used in a server to ensure proper cooling and airflow when components are removed?

- A. Heatsink
- B. Voltage regulator
- C. Baffles
- D. Liquid cooling

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 159

A datacenter recently experienced a breach committed by a group that was able to access a server that had been shut down but not disconnected from the network. Which of the following could have prevented the breach from occurring?

- A. Disabling WOL in the server BIOS
- B. Shutting down unneeded ports on the server
- C. Installing anti-malware software on the server
- D. Disabling non-essential services on the server

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 160

A systems administrator has performed a memory upgrade on a server. The server does not recognize the new memory. Which of the following is the MOST likely cause?

- A. The CPU does not support the upgraded amount of memory
- B. The HDD firmware needs to be updated
- C. The new memory was installed incorrectly
- D. The original memory is defective

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 161

A technician needs to install more add-on cards than there are available expansion slots. Which of the following would allow the technician to accomplish this?

- A. Backplane
- B. CPU daughterboard
- C. Riser card
- D. Array controller

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 162

An administrator is setting up a new mail server on the network and wants to open necessary ports to allow POP3 protocol for mail delivery. Which of the following ports should be opened in the internal and external firewalls?

- A. 101
- B. 110
- C. 123

D. 161

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 163

A server technician is procuring rail kits for a 2U rack mount server. Company policy dictates all rail kits must allow full extension of the system out of the rack. Given these requirements, which of the following rail kit types should the technician obtain?

- A. Static rail kit
- B. Sliding rail kit
- C. Rail kit ears
- D. Sliding shelf rails

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 164

A server has five hot swappable drives in a hardware RAID 5 configuration. One of those drives has issued a predictive failure warning to the server's management console. Which of the following is the BEST course of action?

- A. Replace the drive and restore data from backup
- B. Reformat the drive and restore data from backup
- C. Reformat the drive and have the RAID controller rebuild the configuration
- D. Replace the drive and have the RAID controller rebuild the configuration

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 165

FILE-SERVER-1 is being decommissioned. A server technician powers off the server labeled FILE-SERVER-1 only to find out the label on the server was incorrect, causing an outage. Which of the following could have helped avoid this outage?

- A. IP address
- B. Recovery documentation
- C. Hardware inventory
- D. Network diagram

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 166

An administrator is installing a server to be used to dynamically assign IP addresses to the network devices. Which of the following server roles must be used?

- A. RAS
- B. DNS
- C. DHCP
- D. WINS

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 167

A technician is logged into the network through VPN. Which of the following utilities can be used to connect to a server to verify a process is running? (Choose two.)

- A. RDP
- B. SSH
- C. DNS

- D. LDAP
- E. Bash
- F. ping

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 168

A server administrator is deploying a new database server and wishes to maximize the number of IOPS. Which of the following disk types would BEST accomplish this goal?

- A. 500 GB SATA SSD drives
- B. 600 GB 15000 rpm SAS drives
- C. 800 GB 10000 rpm SAS drives
- D. 1 TB 7200 rpm SATA drives

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 169

An administrator is unable to install a 64-bit OS on a newly purchased server. Which of the following is the MOST likely cause of this issue?

- A. The server has the wrong number of processors
- B. The server has the wrong number of cores
- C. The server has the wrong architecture
- D. The server has the wrong amount of memory

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 170

An IT manager noticed that specific directories' permissions are being changed by users. Which of the following will prevent this from occurring?

- A. Allow Read permissions only on directories
- B. Allow Write permissions only on directories
- C. Allow Full permissions on directories
- D. Allow Modify permissions only on directories

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 171

A technician is selecting a UPS to use with a blade enclosure containing five blades with room for an additional seven blades. The blade enclosure is currently consuming 2500W of power, and each additional blade will need 200W of power. Assuming runtime to be less than a minute, which of the following is the MINIMUM amount of UPS wattage needed for the blade enclosure with all blades installed?

- A. 3500W
- B. 4000W
- C. 4500W
- D. 5000W

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 172

A server has been operating normally for several months. Users suddenly begin reporting that the server is responding very slowly. Which of the following tools are the BEST choices for the administrator to use to troubleshoot the problem? (Choose two.)

- A. Disk defragmenter
- B. Resource monitor
- C. Event viewer
- D. Device manager
- E. System information
- F. File manager

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 173

Maintaining operations in the event of a complete power outage requires a tested and established:

- A. hardware maintenance plan
- B. site recovery plan
- C. business continuity plan
- D. incident response plan

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 174

A security incident occurs that requires a systems administrator to take an image of a user's workstation hard drive. Which of the following should be taken at the time the system image is generated and retained through the file of the investigation to assure files have not been modified since?

- A. A checksum hash of the drive image or files
- B. Copies of the system logs at specific intervals
- C. A snapshot of the file system
- D. The user's credentials and permissions

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 175

A technician is asked to install three servers: a 1U, a 4U, and a 6U. Which of the following is the MOST correct order to install these servers starting from the top of the rack?

- A. 1U, 4U, 6U
- B. 4U, 1U, 6U
- C. 4U, 6U, 1U
- D. 6U, 4U, 1U

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 176

A systems administrator is installing a new software package on a server. The software has many dependencies. Which of the following would be the BEST solution for the systems administrator to take to ensure there is no downtime with the installation of this software package?

- A. Deploy the software to production
- B. Deploy the software in a sandbox
- C. Uninstall the application software
- D. Uninstall the software updates

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 177

Payroll checks are not printing. A job scheduled to run `\\Payroll_File_Server\Checks\Print.cmd` is failing with an "Access Denied" error message. Which of the following is the MOST likely cause of this issue?

- A. The payroll application server is offline
- B. The checks share does not exist
- C. The file permissions on `Print.cmd` were changed
- D. The `Print.cmd` file content was modified

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 178

A systems administrator has determined that there are several users experiencing problems within two offices that have recently merged into one OU. Users within one of these offices are not having these issues. Which of the following is MOST likely misconfigured?

- A. Group policies
- B. Firewall policies
- C. File permissions
- D. Port permissions

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 179

A technician is configuring the IP networking portion on a server installation. Which of the following types of IP addresses would be BEST to use for this server?

- A. APIPA
- B. Dynamic
- C. Static

D. Reserved

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 180

A technician has a server with ten hard drives in a RAID 6 configuration. Which of the following is the MAXIMUM number of drives that can fail in the array while maintaining data integrity?

A. 1

B. 2

C. 3

D. 4

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 181

An enterprise technician is tasked to implement a disk array that will host continuous disk-to-disk replication. Which of the following storage types should be selected for maximum performance?

A. USB

B. SCSI

C. SATA

D. SAS

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 182

A technician is implementing a RAID 10 array on a server. Which of the following is the MINIMUM number of disks needed for this array?

- A. Two
- B. Three
- C. Four
- D. Five

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 183

A technician is trying to install the operating system on a new server. When the server is powered on, it searches for the installation information on CD and then on the local hard drive. The operating system installation is on a PXE server. Which of the following should the technician change to successfully install the operating system?

- A. BIOS settings
- B. Firmware version
- C. File system type
- D. RAID configuration

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 184

Which of the following are the MOST appropriate permissions to set on files required to be publicly accessible but only modified by the file's original owner?

- A. rw-rw-r--
- B. r--r--r--

- C. rwxrwxr--
- D. rwxrwxr-x

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 185

Which of the following is an advantage of blade servers over rack-mount servers?

- A. Reduced power consumption
- B. Enhanced virtualization support
- C. Decreased number of servers per rack
- D. Increased security

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 186

A storage administrator needs to connect a server to a storage array shared by 12 other servers. Which of the following interface types could be used to accomplish this connection?

- A. Fibre Channel
- B. SAS
- C. USB
- D. SCSI

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 187

An enterprise administrator has a server that requires private communication between the application team and the administrator's team. Which of the following solutions would BEST meet this requirement?

- A. Implement a NIDS
- B. Enable a host-based firewall
- C. Install a RADIUS server
- D. Configure IPSec

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 188

Which of the following media types allows for the ability to make data written to the media permanent?

- A. LTO WORM tape
- B. DVD-RW disk
- C. CD-RW disk
- D. LTO tape

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 189

An administrator is given the following network information to configure a server with a static IP address: 10.152.0.4/21. Which of the following is the subnet mask for the given IP address?

- A. 255.248.0.0
- B. 255.255.128.0

- C. 255.255.248.0
- D. 255.255.255.248

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 190

When installing processors with mixed stepping levels in a server, which of the following guidelines must be followed? (Select TWO).

- A. The processors must have different frequencies set to operate.
- B. The processor with the highest feature set must be the bootstrap processor.
- C. The processors must have different cache sizes set to operate.
- D. The processors must have the same cache size set.
- E. The processor with the lowest feature set must be the bootstrap processor.

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 191

Which of the following connects the L2 cache to the processor?

- A. PCI
- B. Frontside bus
- C. Backside bus
- D. System I/O bus

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 192

An administrator has just upgraded a server from non-hot plug storage to all hot plug storage.

The administrator powers up the server, during POST the RAID controller is recognized but none of the drive lights flash.

Which of the following should the administrator do FIRST to troubleshoot the problem?

- A. Check the backplane cabling.
- B. Check the server BIOS.
- C. Update the RAID controller firmware.
- D. Install the latest hard drive firmware.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 193

An administrator is looking to apply a new service pack for an OS on several systems that run business critical applications for a large international finance corporation.

Which of the following should the administrator do FIRST?

- A. Deploy the service pack to a single department within the corporation.
- B. Upgrade the system with requirements for that service pack.
- C. Deploy the service pack to a non-critical application server.
- D. Submit a change control for the service pack deployment.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 194

A company's legal and regulatory departments have drafted a new policy in which emails must be retained for no longer than three years. Which of the following

locations should an administrator configure when complying with the new policy? (Select THREE).

- A. Local workstations
- B. Backup tapes
- C. Domain controllers
- D. Email server
- E. SMTP gateway
- F. Proxy server

Correct Answer: ABD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 195

Which of the following can limit cabling mistakes?

- A. Proper labeling
- B. Asset management
- C. Keeping good vendor logs
- D. Keeping up-to-date repair logs

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 196

In a workgroup, all of the following steps are required for a DHCP server EXCEPT:

- A. activate the scopes.
- B. authorize the server.
- C. configure the scopes.
- D. install DHCP service.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 197

A user reports that each day some files are deleted from the department share. The administrator needs to find who deleted these files. Which of the following actions should the administrator perform?

- A. Enable audit object access and specify files and folders to monitor using Task Manager.
- B. Enable audit policy change and specify files and folders to monitor using Windows Explorer.
- C. Enable audit object access and specify files and folders to monitor using Windows Explorer.
- D. Open Performance Monitor and monitor folder activity.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 198

Which of the following actions will prevent a driver from being reinstalled automatically?

- A. Run the disable command.
- B. Disable the device using Device Manager.
- C. Review manufacturer manual.
- D. Reboot the server, logon in Safe Mode, uninstall the driver.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 199

An administrator has purchased monitoring software that can be configured to send alerts when hardware and applications are having issues. Which of the following must be installed on the monitoring server so that it can properly monitor details on vendor specific devices?

- A. MIBs
- B. SMTP
- C. WMI
- D. DHCP

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 200

Which of the following must be configured on printers so that the server can properly monitor details on page counts?

- A. WMI
- B. DHCP
- C. SNMP
- D. MIB

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 201

An administrator has purchased monitoring software that can be configured to alert administrators when hardware and applications are having issues. All devices are configured with SNMP, but the administrator wants to further secure the SNMP traffic. Which of the following settings would BEST provide additional monitoring security? (Select TWO).

- A. Setting up a custom community name
- B. Configuring the network to block traffic on port 161
- C. Configuring the Windows Firewall to block port 161

- D. Setting SNMP to read only on the devices
- E. Installing new MIBs

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 202

When configuring a DHCP server, which of the following can the administrator define for DHCP users? (Select THREE).

- A. Database server
- B. NTP server
- C. DHCP server
- D. SQL server
- E. DNS server
- F. Domain name

Correct Answer: BEF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 203

An administrator receives a call from a user who is unable to receive email. After troubleshooting the administrator is able to resolve the issue and verify that user is able to access email again.

Which of the following is the NEXT step that the administrator should take?

- A. Implement preventative measures.
- B. Close the issue.
- C. Document the outcome.
- D. Other users to make sure they are not having the same issue.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 204

A company has had problems with their HVAC system being able to cool their datacenter as they have grown. Which of the following could BEST be used to help reduce the load on the HVAC system?

- A. Replacing the CAT5 cables with CAT6 cables
- B. Replacing traditional racks with water cooled racks
- C. Turning off non-critical application servers during non-business hours
- D. Taking the second power supplies out of non-critical servers

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 205

A datacenter has exceeded the load on the central uninterruptible power supply (UPS) for the room and is causing power load problems. Additional power is available, but not using the central UPS. Which of the following is the BEST temporary solution for adding new servers until an upgrade of the central UPS can occur?

- A. Continue plugging into the central UPS, but put the UPS on bypass to avoid load problems.
- B. Plug the servers directly into the power that is not on the UPS.
- C. Add stand alone UPSs for new servers not wired off the central UPS.
- D. Continue plugging into the central UPS because the actual load supported is actually higher than stated.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 206

When disposing of computer equipment, which of the following can present an environmental hazard?

- A. Bezel
- B. SATA cable
- C. Cat5 cable
- D. CRT monitor

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 207

Which of the following file types can Microsoft servers package for remote installation by default?

- A. .exe
- B. .ini
- C. .msi
- D. .dll

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 208

Which of the following assists with airflow in a server? (Select TWO).

- A. Riser cards
- B. Water cooling
- C. Shroud



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- D. Baffle
- E. Heat sinks

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 209

After a virus outbreak, which of the following can be used to deploy a hotfix in a Microsoft environment? (Select TWO).

- A. WSUS
- B. Terminal services
- C. Remote management cards
- D. Group policy
- E. SNMP

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 210

Which of the following BEST describes RAID 0?

- A. Striping with parity
- B. Striping with mirroring

- C. Mirroring
- D. Striping

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 211

Which of the following can occur if the maximum rated load is exceeded on an uninterruptible power supply (UPS)?

- A. There is a fire hazard potential if a power outage occurs.
- B. The last system plugged into the UPS will not be provided any power.
- C. The UPS will draw more power from the circuit to compensate.
- D. The runtime of the UPS will be insufficient if a power outage occurs.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 212

A server is having problems accessing its presented storage on a SAN. Which of the following could be causing the problem? (Select TWO).

- A. NIC
- B. HBA
- C. Tape backup drive
- D. SCSI adapter
- E. CPU

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 213

Which of the following components found in a legacy server has a 16-bit bus?

- A. USB
- B. PCI
- C. ISA
- D. AGP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 214

Which of the following expansion slots is 64-bit?

- A. PCIx
- B. PCI
- C. ISA
- D. PCIe

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 215

Which of the following will allow devices to be added without turning the server off?

- A. Plug and Play
- B. Warm site
- C. Hot plug
- D. Hot site

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 216

Which of the following internal storage devices has the GREATEST storage capacity and is WORM media?

- A. CD-RW
- B. CD-R
- C. DVD-RW
- D. Flash

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 217

Which of the following media types is the MOST durable in harsh environments?

- A. Disk
- B. Tape
- C. Optical
- D. Flash

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 218

A user reports they cannot access the network share folder, the users workstation is configured to use automatic IP. When the administrator checks the IP address the response returns as 169.254.0.5.

Which of the following should the administrator verify?

- A. That there are no DHCP relay servers
- B. That the user account on Active Directory is not locked
- C. That the network card driver is not installed incorrectly
- D. The network connection is functioning

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 219

After applying a new driver to a NIC, the server reboots and fails to restart. Which of the following is the BEST way to resolve the problem?

- A. Boot using recovery console and restore the previous driver.
- B. Boot the server, press F8 and access last known good configuration.
- C. Restore the server using last backup tape.
- D. Boot the server with ASR option.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 220

Which of the following types of DNS records enables support for email?

- A. A
- B. MX
- C. PTR
- D. AAAA

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 221

Which of the following protocols is responsible for the resolution of IP addresses to MAC addresses?

- A. DHCP
- B. ARP
- C. DNS
- D. RARP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 222

Which of the following RAID levels supports fault tolerance by writing parity to only one drive in the array?

- A. RAID 3
- B. RAID 5
- C. RAID 6
- D. RAID 10

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 223

Which of the following RAID levels can withstand the simultaneous loss of two physical drives in an array?

- A. RAID 0
- B. RAID 3
- C. RAID 5
- D. RAID 10

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 224

Users have reported that they cannot access certain Internet sites. An administrator wants to test that the sites are properly resolving to an IP address. Which of the following tools would allow the administrator to test name resolution?

- A. net view
- B. ipconfig
- C. dig
- D. ifconfig

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 225

A new server was installed for the purpose of monitoring network traffic. The network has been configured in such a way that all traffic will be mirrored out the port this server is connected to.

When reviewing the network traffic logs on the server only traffic destined to the server is listed in the logs.

Which of the following is preventing the server from seeing all network traffic?

- A. NIC filtering is enabled.

- B. Port security is configured.
- C. NIC is not in promiscuous mode.
- D. NIC is in promiscuous mode.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 226

A server is connected to a gigabit Ethernet switch and has negotiated 1Gbps / Full Duplex. When transferring large files to and from other servers on the segment via FTP slow performance is noticed. All network cabling, network hardware and server hardware were verified to be working correctly. Which of the following could be done to improve performance?

- A. Decrease the TCP window size.
- B. Increase the UDP window size.
- C. Increase the TCP window size.
- D. Decrease the UDP window size.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 227

A new server was installed. Most clients are located in the same subnet as the server and can successfully access the server. Clients located on different subnets have been unable to access the server, but have no trouble accessing other servers on their subnet. Which of the following is the reason that these clients are unable to access the server?

- A. DHCP has assigned the wrong addresses.
- B. Incorrect default gateway on the server.
- C. DNS entries were not created.
- D. WINS server is not responding.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 228

A server failed Thursday evening before the nightly backup. The backup scheme in place was full backups every Sunday, incremental backups on Monday, Wednesday, and Friday, and differential backups on Tuesday, Thursday, and Saturday. To fully restore the server, which of the following is the LEAST amount of backup sets required?

- A. One
- B. Two
- C. Three
- D. Four

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 229

An administrator identifies that a server is shutting down. The administrator powers up the server and OS loads but after a few minutes it powers down again. Which of the following is the cause?

- A. Redundant power supply failure
- B. CPU overheating
- C. Memory failure
- D. Hard disk failure

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 230

Which of the following would be an advantage to using a blade server as opposed to a rack mount server?

- A. Blade servers allow for internal tape drives
- B. Blade servers offer more rack density
- C. Blade servers are typically faster
- D. Blade servers allow for more RAM

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 231

A stripe set of maximum size is to be configured using two physical disks. One disk has 150GB and the other has 250GB in unallocated space. Which of the following will be the size of the stripe set?

- A. 150GB
- B. 300GB
- C. 400GB
- D. 500GB

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 232

A technician has a current baseline and is told to install additional memory and a faster NIC card.

At which point in time should the next baseline be run?

- A. After the memory is installed
- B. Before the upgrade is performed
- C. After the NIC is installed

D. After the upgrades are performed

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 233

A company utilizes the GFS backup standard. Which of the following describes this backup method?

- A. Greatest, Final, Sequential
- B. Full, Partial, Incremental
- C. Monthly, Weekly, Daily
- D. Full, Differential, Incremental

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 234

An administrator is required to backup 250GB nightly utilizing a single LTO2 tape. The administrator reports that the tape drive is running out of available space before the job completes. Which of the following would allow the administrator to backup this data? (Select TWO).

- A. Enable compression on the LTO2 drive
- B. Utilize LTO3 tapes in the existing drive
- C. Reduce the amount of data on the backup
- D. Replace the LTO2 with LTO3 drive and tapes
- E. Divide the data and back up half one night and half the next

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 235

A user calls the system administrator and states that they can no longer access the file server they had been working on all morning. To troubleshoot this problem, which step should the administrator take FIRST?

- A. Reboot the file server.
- B. Ask the user what they were doing when they noticed the problem.
- C. Ask the user to reboot their PC.
- D. Ask the user to ping the default gateway and report the response times back to the administrator.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 236

While troubleshooting a video problem on an application server, the system administrator has determined that the video firmware should be updated. Which of the following sources should be used to locate an appropriate update for this hardware? (Select TWO).

- A. Third-party manufacturer
- B. Video chipset manufacturer
- C. Server manufacturer
- D. Operating system manufacturer
- E. Shareware file sharing site

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 237

A user is reporting that access to a file server is much slower than it has been. The system administrator completes a test of the server using a system monitoring tool and compares it to the previously taken baseline. The comparison shows that there are no significant changes in the use of system resources. Which of the following actions should be taken to resolve this users problem?

- A. Add additional RAM to the users PC
- B. Troubleshoot the users PC
- C. Add additional RAM to the server
- D. Add additional hard drive space to the server

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 238

In order to utilize most server management software, an administrator will have to install which of the following?

- A. SNMP
- B. SMTP
- C. IPv6
- D. UDP

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 239

A SAN attached production file server is required to be backed up nightly according to company policy.

Recently the data to be backed up has increased to approximately 4TB. Currently, the server has a single attached LTO2 tape drive. Which of the following should the server administrator do to provide enough backup capacity for the nightly job?

- A. Replace the backup software with a more efficient application.
- B. Reduce the amount of data to be backed up.
- C. Replace the LTO2 tape drive with an LTO3 tape drive.
- D. Replace the single tape drive with a tape library.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 240

A server has 500GB of data that must be backed up nightly. The administrator has upgraded the old LTO2 drive to an LTO3, but the data still will not fit on a single tape. Which of the following additional steps should the administrator perform to accommodate the data? (Select TWO).

- A. Enable compression on the new drive
- B. Reformat all tapes
- C. Delete unnecessary system files
- D. Purchase LTO3 tapes for use in the new drive
- E. Purchase new backup software

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 241

Which of the following provides the BEST security and accountability for a Data Center?

- A. Entry logging
- B. Combination locks
- C. Card keys
- D. Dead bolts

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 242

Which of the following cable types can be used to decrease susceptibility to electronic eavesdropping?

- A. Fiber optic
- B. Fast Ethernet
- C. Coaxial
- D. Thicknet

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 243

When running a Windows server, which option is used with the ping command to define the number of packets transmitted?

- A. -n
- B. -a
- C. -r
- D. -v

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 244

When running a Windows server, which option is used with the ping command to convert numerical addresses to host names?

- A. -r
- B. -a
- C. -v
- D. -n

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 245

Which of the following backup types will reset the archive bit? (Select TWO).

- A. Full
- B. Compressed
- C. Copy
- D. Differential
- E. Incremental

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 246

Which of the following memory types is located in the processor chip?

- A. EDO
- B. L1
- C. xD
- D. DDR

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 247

For a technician to test network connectivity to a remote host on a Unix Server which of the following commands should they run?

- A. IPCONFIG
- B. PING
- C. ARP
- D. IFCONFIG

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 248

Which of the following is a standard IEEE 1394 transmission speed?

- A. 100Mbps
- B. 400Mbps
- C. 480Mbps
- D. 1000Mbps

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 249

Which of the following offers the highest level of redundancy in the design of a storage system?

- A. A Dual Port HBA with a pair of Point-To-Point connections to the SAN.
- B. Two Single Port HBAs connected to a fiber switch.
- C. A Dual Port HBA with a Point-To-Point connection to a SAN.
- D. Two Dual Port HBAs connected to a pair of fiber switches.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 250

Which of the following backup methods should be used nightly to ensure backups capture all necessary data in the LEAST amount of time?

- A. Daily
- B. Incremental
- C. Normal
- D. Differential

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 251

An administrator is upgrading the backup server from a single tape drive to a SCSI tape library.

The library has been unpackaged, mounted, and the library drivers installed. Which of the following items should the administrator have to connect the device to the backup server?

- A. SCSI cable
- B. SCSI interface adapter on the tape library
- C. SCSI termination card on the server
- D. iSCSI cable

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 252

When installing external SCSI devices, terminators are required on: (Select TWO)

- A. the SCSI adapter.
- B. each device.
- C. the first device.
- D. the last device.
- E. the servers parallel port.

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 253

A system administrator is creating a backup schedule. Which of the following is a best practice to ensure the data is backed up, based on a five-day business week ?

- A. Full on Sundays ; incremental on business days
- B. Incremental on Sundays ;differential on business days
- C. Snapshot on Sundays, differential on business days
- D. Incremental on Sundays ;snapshot on business days

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 254

A server technician is reviewing a server and notices the server hard disk supports up to 15000rpm. The technician is reviewing whether the hard drive can be upgraded from 40GB to 136GB for primary storage size. Given this scenario, which of the following is the technician MOST likely to do next ?

- A. Procure a 136GB SAS interface storage device
- B. Procure a 136GB SATA interface storage device
- C. Procure a 136GB USB interface storage device

D. Procure a 136GB FireWare interface storage device

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 255

In terms of security, which of the following comprises « something you have » ?

- A. ID card
- B. user ID
- C. Password
- D. Retina scan

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 256

A systems administrator is tasked to add an existing user to an existing group on a local Linux system. Which of the following files should be edited to accomplish this task?

- A. /etc/group file
- B. /etc/passwd file
- C. /etc/hosts file
- D. /etc/group_membership file

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 257

Users are trying to access the company time card website. They cannot access it by URL, but they can access it by IP address. Which of the following protocols is MOST likely causing this issue?

- A. DNS
- B. DHCP
- C. HTTPS
- D. SFTP

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 258

A server technician wishes to buy the best possible server for RAID 5. Which of the following types of servers is BEST suited for RAID 5?

- A. Tower servers
- B. Redundant servers
- C. Blade servers
- D. Stand-alone servers

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 259

An administrator notices that several servers have become noticeably slower. Logs show that an optional update was applied to these same servers. A BEST practice before running updates is:

- A. to run a performance baseline
- B. to update the BIOS firmware
- C. to have a complete backup of the server

D. to restart the servers

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 260

A server has a file share for each department. An auditor has discovered that all users have access to all of the departmental shared folders. Which of the following is the BEST solution to ensure users have access to the shared folders of only their department?

- A. Create security groups, add the users to the security groups according to their departments, and grant the security groups access to the file shares according to each department.
- B. Delete the shared folders and create new shared folders, and grant the users access to the shared folders according to their departments.
- C. Remove everyone from the shared folders, create a security group for each department, add the users to the security groups, and grant each security group access to its own shared folders.
- D. Remove everyone from the shared folders, grant full access to the IT administrators, and instruct the users to ask managers permission to be re-added to the shared folders according to their department.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 261

As a best practice, which of the following should be performed before placing a server on a network?

- A. Secure the disk
- B. Secure the server rack
- C. Harden the OS
- D. Install the application

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 262

When using multifactor authentication, which of the following describes something you have?

- A. An ID card
- B. A PIN
- C. A fingerprint
- D. An access list

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 263

A server technician is trying to minimize power outages using a UPS that is plugged into an outlet in the server room. Given this scenario, which of the following procedures should be followed to minimize outages?

- A. Ensure the UPS has a dedicated circuit
- B. Ensure the UPS circuit is shared with the office
- C. Ensure the UPS is connected to the main UPS
- D. Ensure the UPS is connected to a surge protector

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 264

An administrator has been asked to put together a JBOD. Which of the following interfaces supports redundant controller? (Choose two.)

- A. DVD

- B. SAS
- C. SATA
- D. SSD
- E. USB

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 265

A company implements a cold site for disaster recovery purposes due to a risk of hurricanes at its headquarters location. Which of the following BEST describes why the company chose to use a cold site?

- A. Cold sites have fewer hurricanes than warm or hot sites.
- B. A hot or warm site would have a higher MTTR than a cold site
- C. Cold sites are the easiest to implement in the event of a disaster
- D. A hot or warm site would have higher setup and ongoing costs

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 266

A systems administrator wishes to improve security in a datacenter. The administrator wants to be alerted whenever a hard drive is removed from the server room. Which of the following security measures would BEST accomplish this?

- A. RFID chips
- B. Security cameras
- C. Server and cabinet locks
- D. Mantrap
- E. Proximity reader

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 267

An administrator is attempting an OS upgrade on a VM disk that is stored on a SAN. In the event of a failure, the administrator wants to ensure the system can return to a working state in the shortest amount of time possible. Which of the following backup methods would BEST accomplish this?

- A. A storage-level snapshot made on the SAN
- B. A full file-system backup stored on the SAN
- C. A full file-system backup stored on an LTO tape
- D. A system recovery point made with the OS
- E. A bit-level image stored on an SSD in the VM host

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 268

A server technician has just replaced an Ethernet card in a server. Per company policy, all servers' network settings must be manually configured. The technician verified that the server can ping other servers on its subnet, but it cannot ping any servers that are on subnets other than its own. Which of the following is MOST likely the cause of this issue?

- A. The server is not joined to the domain
- B. The default gateway is misconfigured
- C. The subnet mask is misconfigured
- D. The WINS is misconfigured

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 269

A user reports that email does not work. Which of the following ordered steps should the administrator take to address the issue according to the troubleshooting theory?

- A. Reboot the email server, document the findings, collect additional information about the issue, and then determine if the issue affects one or multiple users.
- B. Document the findings, determine if the issue affects one or multiple users, collect additional information about the issue, and then reboot the email server.
- C. Collect additional information about the issue, determine if the issue affects one or multiple users, reboot the email server, and then document the findings.
- D. Collect additional information about the issue, document the findings, determine if the issue affects one or multiple users, and then reboot the email server.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 270

An administrator needs to securely dispose of 150 computers with SATA HDDs. Which of the following methods would ensure all data is erased in the MOST secure manner?

- A. Use a degaussing tool on the hard drives
- B. Use disk-wiping software
- C. Use a utility to zero-fill the hard drive
- D. Use a shredder to physically destroy the platters
- E. Use `fdisk` to destroy the partition table

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 271

A server with a large amount of storage but not necessarily a very fast CPU would be BEST suited for which of the following applications?

- A. DNS server

- B. File server
- C. DHCP server
- D. Proxy server

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 272

A datacenter is running out of rack space. A server technician is asked to recommend a capacity planning and consolidation option that is feasible with the least amount of downtime. Which of the following options should the technician recommend?

- A. Replace the servers' internal storage with SAN
- B. Implement tower servers across the enterprise
- C. Replace 4U rack-mount servers with tower servers
- D. Implement blade servers across the enterprise

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 273

Which of the following permissions would enable users to modify files or directories on a server?

- A. Access
- B. Execute
- C. Read
- D. Write

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 274

A security administrator is investigating strange network behavior on a single VLAN that is used only by vendors. Which of the following tools would BEST allow the administrator to look at network traffic and investigate specific packets?

- A. Port scanner
- B. Cipher
- C. Sniffer
- D. Checksum

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 275

A remote datacenter that runs in parallel with a main datacenter, with devices powered on and communication taking place between the two datacenters, is known as which of the following?

- A. Hot site
- B. Warm site
- C. Cold site
- D. DR site

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 276

A server administrator is updating the kernel for servers during the middle of the work day. After defining the steps required to perform this scope of work, which of the following would be the NEXT step needed to complete this task?

- A. Perform the system updates
- B. Determine MTTR
- C. Request an impact analysis report
- D. Schedule time to perform updates

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 277

A Unix server completes POST successfully. The server starts to boot but crashes and halts on a transport error. Which of the following components should a technician check FIRST?

- A. Video card
- B. Cooling fan
- C. Memory module
- D. Hard drive

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 278

A technician needs to create a rule in the firewall to convert the directory server's private IP address to its public IP address. Which of the following should the technician enable to accomplish this?

- A. NAT
- B. VPN
- C. DNS
- D. DMZ

Correct Answer: A

Section: (none)

Explanation**Explanation/Reference:****QUESTION 279**

A technician is wiring up a new rack. Which of the following is the appropriate place for the power cord to wire this rack correctly?

- A. One power supply from each server should go to differing PDUs
- B. Each PDU should be plugged into a separate UPS
- C. Each UPS should be plugged into a different circuit
- D. Nothing should be plugged into the wall other than the UPSs

Correct Answer: A

Section: (none)

Explanation**Explanation/Reference:****QUESTION 280**

A technician is asked to make recommendations for purchase of new server hardware in a datacenter. Currently the datacenter is extremely limited in power available for new hardware, so the technician wants to recommend processors that utilize the least amount of power possible. Which of the following processor architectures should the technician suggest?

- A. ARM
- B. x64
- C. x86
- D. RISC

Correct Answer: A

Section: (none)

Explanation**Explanation/Reference:****QUESTION 281**

A technician has installed an additional CPU into a server, but now the server is failing to pass POST. After verifying the CPU speed and multiplier, which of the following does the technician need to check for potential causes?

- A. ECC
- B. CAS
- C. Stepping
- D. Bus size

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 282

An administrator is backing up a database server. The administrator must select a backup method that does not change the archive bit. Which of the following backup techniques should be used to meet these requirements?

- A. Full
- B. Incremental
- C. Differential
- D. Selective

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 283

The BEST way for a technician to configure a server rack for full power redundancy is:

- A. a single PDU attached to a single UPS
- B. multiple PDUs each attached to a single UPS
- C. multiple PDUs each attached to separate UPSs
- D. multiple PDUs attached to a high availability UPS

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 284

Which of the following OSs would be the MOST appropriate to manage a server with an Active Directory?

- A. Linux Ubuntu
- B. Linux Fedora
- C. Mac OS X
- D. Windows Server 2013 Enterprise

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 285

A systems administrator has been tasked to set up a new server to assign IP addresses on the network. The network administrator logs into the server, but cannot find the management tool to create a scope. Which of the following MOST likely happened to cause this?

- A. The systems administrator did not configure the routing and remote access server role.
- B. The systems administrator configured the wrong NTP server address.
- C. The systems administrator forgot to unblock port 67/68 in the firewall.
- D. The systems administrator did not install the DHCP server role.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 286

An employee is working from home and has to dial into the system. The employee is able to connect to the network but is unable to authenticate. Which of the

following is MOST likely offline?

- A. Router
- B. RADIUS server
- C. DHCP server
- D. Firewall

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 287

A user is reporting that a large file upload is slower to one particular server compared to other servers on the same network. Which of the following might account for the difference in upload speed?

- A. The subnet mask is set incorrectly
- B. The server is configured using DHCP instead of a static address
- C. The duplex setting is set to half instead of full
- D. The server is using private addressing instead of public
- E. The default gateway is set incorrectly

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 288

An administrator has a drive working properly under Linux and moves it to a Windows server. Which of the following should be performed to ensure Windows can read the disk?

- A. Format the drive with ext2.
- B. Format the drive with ext4.
- C. Format the drive with NTFS.

D. Format the drive with UFS.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 289

A blade server consumes 2000W at full power in a chassis that holds four power supplies. Which of the following is the MINIMUM amount of 900W power supplies needed to power the blade chassis?

- A. One
- B. Two
- C. Three
- D. Four

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 290

A technician was assigned new storage for the server from the storage administrator. The technician is unable to see the storage on the server, but the previously assigned storage is visible and working properly. Which of the following should the technician do FIRST in order to see the storage on the server?

- A. Perform a rescan of the disk.
- B. Install the storage device drivers.
- C. Assign a drive letter to the new storage.
- D. Format the new storage.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 291

A technician installed a new 2GB hard drive on a server, but it only shows 1.86GB of unformatted space. Which of the following is a reason for the difference?

- A. Manufacturers use base 10 instead of base 2 in advertising disk space.
- B. A swap file is added to the drive automatically, reducing available disk space.
- C. The disk controller maps out a section of hard drive space for diagnostics.
- D. Disk drivers consume space of the hard drive.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 292

A technician receives a report that two users are having difficulty retaining connections to a server hosting a company application. On testing, the technician sees the following:

- Initial connections to the server are sporadic.
- If connected, the client is dropped within 30 seconds.
- Attempting to reconnect is sometimes successful but other times requires multiple attempts.
- Local testing on the server reveals no problems.

Given these symptoms, which of the following is the MOST likely cause of the problem?

- A. Two workstations have been configured with the same IP address.
- B. Two separate NICs have the same MAC address.
- C. There are multiple DNS entries for the same host.
- D. Routing has been configured incorrectly for the clients.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 293

Which of the following storage techniques would be BEST suited for distributing backups across a large LAN?

- A. NAT
- B. SAN
- C. BAE
- D. JBOD

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 294

An administrator has 120V, 150-amp service in the datacenter. Which of the following is the MAXIMUM number of servers with a faceplate rating of 65W that can be racked in the datacenter?

- A. 200
- B. 225
- C. 250
- D. 275
- E. 300

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 295

An administrator is working with an electrician to design a new datacenter. The datacenter will have desktop PCs, phone switches, and racks of servers. Which of the following BEST describes the types of power the electrician should plan to deliver in the new datacenter? (Select THREE).

- A. 12V
- B. 24V
- C. 48V

- D. 60V
- E. 110V
- F. 220V
- G. 440V

Correct Answer: CEF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 296

A network administrator is creating a subnet that needs a maximum of two networks in the DMZ. Which of the following subnet masks should the administrator use?

- A. 255.255.0.0
- B. 255.255.255.0
- C. 255.255.255.128
- D. 255.255.255.254

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 297

A physical server at a remote location has failed POST. A reboot of the server is required to fix the issue, but the systems administrator is unable to access the operating system. Which of the following tools should the administrator use to reboot the server?

- A. SSH
- B. RDP
- C. VNC
- D. iLO

Correct Answer: D

Section: (none)

Explanation**Explanation/Reference:****QUESTION 298**

A systems administrator is experiencing slowness with an application. Users are reporting the same problem. Which of the following documents would MOST likely be used to determine the cause of the slowness?

- A. Network diagram
- B. Server manuals
- C. Dataflow diagram
- D. Recovery documentation

Correct Answer: C

Section: (none)

Explanation**Explanation/Reference:****QUESTION 299**

While attempting to take a snapshot of a virtual server before a major OS upgrade, a server administrator gets an error. Which of the following should the server administrator perform FIRST?

- A. Turn off the virtual machine.
- B. Turn off the physical machine.
- C. Remove any directly connected hardware to the virtual server.
- D. Remove any directly connected hardware to the physical server.

Correct Answer: D

Section: (none)

Explanation**Explanation/Reference:****QUESTION 300**

A systems administrator is informed that users are unable to connect to the database. After investigating, the administrator determines the source of the problem and corrects the issue. Following up, the systems administrator informs the Chief Technology Officer (CTO) of the findings. Which of the following documents did

the systems administrator provide to the CTO?

- A. Service level agreement
- B. Root cause analysis
- C. Request for change
- D. Acceptable use policy

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 301

A technician installs a server in a rack. After installing the server, the technician notices the server requires power cables that demand NEMA L6-50 power receptacles. Which of the following voltages would NEMA L6-50 power receptacles indicate?

- A. -48 DC
- B. 120V AC
- C. 250V AC
- D. 4400V AC

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 302

An administrator is selecting hardware for a new application. There is no SAN storage available. The application requires 2.2TB of storage space, and the server has four available drive bays. Which of the following drive types will BEST meet these requirements?

- A. 250GB 15000rpm SAS
- B. 500GB 10000rpm SAS
- C. 512GB SSD
- D. 750GB 7200rpm SAS

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 303

An administrator is opening a firewall to allow encrypted communication with a website. Which of the following is the administrator MOST likely to open on the firewall?

- A. TCP:143
- B. UDP:143
- C. TCP:443
- D. UDP:443

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 304

An IT manager has indicated the need to deploy a feasible standby storage file server that replicates the production data file server and should be quickly accessible from the network by all users when needed. Which of the following storage technologies would be MOST appropriate?

- A. JBOD
- B. DAS
- C. NAS
- D. SAN

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 305

The Chief Technology Officer (CTO) decided all backups should be taken at the storage array level rather than at the OS level. Which of the following backup types would fulfill these requirements?

- A. Snapshot
- B. Incremental
- C. Differential
- D. Full

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



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