

# SK0-004 Dumps

## CompTIA Server+

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**NEW QUESTION 1**

Which of the following is the height of 1U of space in a server rack?

- A. 1.5 inches (3.8 cm)
- B. 1.75 inches (4.4 cm)
- C. 2 inches (5.1 cm)
- D. 3 inches (7.6 cm)

**Answer:** B

**NEW QUESTION 2**

A blade chassis can hold 16 half-height blades or eight full-height blades. Which of the following is the MAXIMUM number of half-height blades that can be installed in the chassis if six full-height blades are already installed?

- A. 2
- B. 4
- C. 8
- D. 16

**Answer:** B

**NEW QUESTION 3**

Which of the following is the MOST redundant power solution?

- A. Two power supplies, each hooked up to individual legs of one 3-phase circuit.
- B. Two power supplies, each hooked up to the same 1-phase circuit.
- C. Two power supplies, each hooked up to separate 1-phase circuits.
- D. One power supply hooked up to two 1-phase circuit

**Answer:** C

**NEW QUESTION 4**

A system administrator needs to install an operating system onto a new server in a remote location using PXE. Which of the following methods will BEST accomplish this?

- A. SSH
- B. RDP
- C. TFTP
- D. HTTP

**Answer:** C

**NEW QUESTION 5**

Which of the following server types translates FQDNs to IP addresses?

- A. DHCP
- B. SMTP
- C. DNS
- D. FTP

**Answer:** C

**NEW QUESTION 6**

Two servers are to be configured for high availability in a cluster. Both servers will be running applications at the same time. This feature is known as:

- A. round robin.
- B. heartbeat.
- C. active/active.
- D. active/passiv

**Answer:** C

**NEW QUESTION 7**

An ISP is currently drafting and compiling a Service Level Agreement that states there should only be 5.26 minutes of downtime per year, 25.9 seconds per month, and 6.05 seconds per week. Which of the following percentages should be used to meet these metrics?

- A. 99.9%
- B. 99.99%
- C. 99.999%
- D. 99.9999%

**Answer:** C

**NEW QUESTION 8**

A technician is tasked to build a server requiring the fastest possible performance. Which of the following would achieve this requirement?

- A. 10,000 RPM SATA
- B. 15,000 RPM SAS
- C. SSD
- D. USB

**Answer:** C

**NEW QUESTION 9**

A hardware compatibility list recommends striping with double parity as storage for an application. In a test environment, a technician realizes that a different RAID level can be used to compensate for a limited number of available disks. Which of the following is the closest RAID level the technician should deploy while minimizing the number of disks and maintaining fault tolerance?

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

**Answer:** C

**NEW QUESTION 10**

An emergency power off accidentally occurs in a datacenter during a fire alarm test. On recovery, the server administrator notices that an external storage array is performing consistency checks on all the volumes configured in the array. Which of the following components of the storage array has MOST likely failed or faulted?

- A. Redundant controller
- B. Cold spare drive
- C. Battery backed cache
- D. Cache memory modules

**Answer:** C

**NEW QUESTION 10**

A server administrator wants to isolate a SAN hosted LUN to be visible to only a single host. Which of the following methodologies would be used to present the LUN to only that host?

- A. LUN masking
- B. LUN ID assignment
- C. Port mapping
- D. Port zoning

**Answer:** A

**NEW QUESTION 14**

A system administrator has determined that more storage is needed for company data

- A. The storage requires the highest speed data transfer rate with maximum performance
- B. Which of the following solutions MUST be implemented to meet the business requirements?
- C. FC SAN
- D. FCoE
- E. iSCSI
- F. JBOD

**Answer:** A

**NEW QUESTION 18**

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

**Answer:** C

**NEW QUESTION 22**

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

**Answer:** A

**NEW QUESTION 26**

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

**Answer:** A

**NEW QUESTION 30**

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

**Answer:** A

**NEW QUESTION 32**

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

**Answer:** B

**NEW QUESTION 36**

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

**Answer:** BD

**NEW QUESTION 38**

Which of the following protocols is considered stateless and utilizes TCP when communicating between a server and client?

- A. IMAP
- B. SMTP
- C. HTTP
- D. SSH

**Answer:** C

**NEW QUESTION 40**

In an effort to reduce recovery time during hardware failures, a server administrator needs to implement a backup method that will allow for complete OS and service/application recovery as long as compatible hardware is available. Which of the following backup types meets this requirement?

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

**Answer:** B

**NEW QUESTION 41**

A technician needs to install an operating system patch on a virtual server. Which of the following backup types should the technician perform prior to the patch installation that will allow the server to be restored the FASTEST?

- A. Snapshot
- B. Incremental

- C. Differential
- D. Full

**Answer:** A

#### NEW QUESTION 46

An administrator needs to perform a backup of all servers for an upcoming disaster recovery exercise at a company cold site. Which of the following types of backup should be performed?

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

**Answer:** D

#### NEW QUESTION 50

A company has hired a consultant to review the production storage infrastructure and provide suggestions on improving performance. The consultant has identified a bottleneck in the production switching fabric and successfully tested the solution in a lab environment. Which of the following should the consultant perform NEXT, according to best practices?

- A. Implement the solution in production since it was tested in the lab.
- B. Establish a plan of action to implement the solution in production.
- C. Perform a root cause analysis of what caused the bottleneck.
- D. Establish a theory describing the possible issue in the production network

**Answer:** B

#### NEW QUESTION 55

Which of the following involves finding and correcting the MOST important reason for performance issues?

- A. Root cause analysis
- B. Replicating the problem
- C. Defining preventative action
- D. Theory of probable cause

**Answer:** A

#### NEW QUESTION 57

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?

- 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 segment

**Answer:** C

#### NEW QUESTION 62

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

**Answer:** C

#### NEW QUESTION 66

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

**Answer:** C

#### NEW QUESTION 71

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

**Answer:** A

#### NEW QUESTION 72

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

**Answer:** D

#### NEW QUESTION 77

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

**Answer:** C

#### NEW QUESTION 78

Which of the following are required characteristics of database servers in high transaction environments? (Select THREE).

- A. Two-factor authentication
- B. High bandwidth
- C. Higher RPM drives
- D. Load balancing
- E. High latency
- F. Hotswappable drives
- G. Encryption

**Answer:** BCD

#### NEW QUESTION 82

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

**Answer:** C

#### NEW QUESTION 86

A system administrator is troubleshooting a network connectivity issue and runs ipconfig/all on the host. The command returns the following:

IPv4 Address: 169.254.0.12

Subnet mask: 255.255.0.0

The client is configured for DHCP. Which of the following commands should be run on the client to resolve this issue? (Select TWO).

- A. ipconfig/release
- B. tracert
- C. ipconfig/flushdns
- D. ipconfig/renew
- E. ipconfig/showclassid
- F. nslookup

**Answer:** AD

#### NEW QUESTION 90

A technician is experiencing overheating on a rack mounted server. After powering off and removing the cover of the server, a large amount of dust is noticed on one of the fans. After cleaning out the dust and powering the server back on, the server is still overheating. Which of the following would BEST explain this issue?

- A. The power supply has failed.
- B. The server is using excessive power.
- C. The hard drives are running too hot.
- D. Some of the cooling fans are defective

**Answer:** D

**NEW QUESTION 94**

A technician notices a rack mounted server is beeping without booting up. The NEXT step to diagnose this issue would be to:

- A. continue to power cycle the server until it boots normally.
- B. count the beeps and reference the service manual.
- C. disable the alarm within the server.
- D. install the server into a different rac

**Answer:** B

**NEW QUESTION 97**

A server technician has been tasked with purchasing cables and connectors for a new server room. The server room consists of one switch, two servers, and one IP telephone. Which of the following types of cables and connectors should the technician purchase?

- A. Coaxial cable and BNC connectors
- B. Straight through Ethernet cable and RJ-45 connectors
- C. Silver satin and RJ-11 connectors
- D. Crossover Ethernet cable and RJ-11 connectors

**Answer:** B

**NEW QUESTION 98**

Which of the following is a basic difference between DAS and NAS?

- A. NAS requires fibre channel; DAS does not.
- B. NAS is faster than DAS when using NFS.
- C. DAS operates its own OS; NAS does not.
- D. DAS is directly connected to a server; NAS is connected via IP networkin

**Answer:** D

**NEW QUESTION 99**

A technician is tasked with providing network-based high availability to a pair of identical web servers. Which of the following minimum server NIC configurations fulfills these requirements?

- A. Two physical NICs per server: one NIC configured for multicast and one for broadcast.
- B. One physical NIC per server: each individual NIC configured for network load balancing.
- C. Two physical NICs per server: one NIC for network traffic, and one for web traffic.
- D. One physical NIC per server: each NIC configured with the same MAC and IP addres

**Answer:** B

**NEW QUESTION 100**

A system administrator is concerned with employees connecting removable storage to the server to copy sensitive dat

- A. Which of the following solutions addresses this concern?
- B. Disable write access
- C. Disable WOL
- D. Disable TPM
- E. Disable physical ports

**Answer:** D

**NEW QUESTION 103**

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

**Answer:** B

**NEW QUESTION 108**

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

**Answer:** A



**NEW QUESTION 110**

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

**Answer: B**

**NEW QUESTION 111**

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

**Answer: C**

**NEW QUESTION 116**

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

**Answer: B**

**NEW QUESTION 121**

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

**Answer: D**

**NEW QUESTION 126**

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

**Answer: A**

**NEW QUESTION 129**

A user is unable to save a new presentation to the network U:\ drive. The error message indicates that there is no available space. Other users in the department are not experiencing any problems saving to the U:\ drive. Which of the following is the MOST likely cause of this issue?

- A. The user does not have permissions to use the U:\ drive.
- B. The user's disk quota has been exceeded on the U:\ drive.
- C. The user's local drive is out of space.
- D. The user does not have the U:\ drive mapped

**Answer: B**

**NEW QUESTION 131**

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



**Answer:** A

**NEW QUESTION 133**

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

**Answer:** A

**NEW QUESTION 136**

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

**Answer:** A

**NEW QUESTION 141**

After successfully authenticating to a remote server, a server administrator is presented with an interactive command line with no graphical interface. Which of the following protocols did the administrator MOST likely use to securely connect to the remote server?

- A. SSH
- B. Bash
- C. Telnet
- D. FTP

**Answer:** A

**NEW QUESTION 146**

Which of the following protocols can be used to query for host, user, and group information for clients?

- A. LDAP
- B. DNS
- C. DHCP
- D. SNMP
- E. SCP

**Answer:** A

**NEW QUESTION 147**

A system administrator is tasked to enable authentication on a web server's login page. One of the requirements for the web server is to encrypt authenticated sessions over HTTP protocol for all static HTML pages. Using the information supplied, which of the following default port numbers should be used to satisfy these requirements?

- A. 53
- B. 8080
- C. 143
- D. 443

**Answer:** D

**NEW QUESTION 150**

An administrator decides to implement access control techniques to secure a datacenter. Which of the following would be the STRONGEST technique for the administrator to use?

- A. Multifactor authentication
- B. RFID chip
- C. Cipher locks
- D. Bollards

**Answer:** A

**NEW QUESTION 155**

An administrator was tasked to enforce disk quotas on the Windows file server. The administrator allocated 1GB of space to each user. A month later, the users were still able to save beyond 1GB. Which of the following check boxes should have been selected?

- A. Enable compression
- B. Prohibit read/write if limit is reached

- C. Deny access if limit is reached
- D. Log an event if disk space is reached

**Answer:** C

#### NEW QUESTION 158

Which of the following graphically depicts the movement of information within a system?

- A. Site survey diagram
- B. Dataflow diagram
- C. Architectural diagram
- D. Network diagram

**Answer:** B

#### NEW QUESTION 163

An older server has performance problems writing files to a RAID array. After checking for failed drives, no problems are found. Which of the following should be checked NEXT?

- A. The cooling system
- B. The cache battery
- C. The hard drive tray
- D. The hard drive cables

**Answer:** B

#### NEW QUESTION 165

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

**Answer:** D

#### NEW QUESTION 166

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

**Answer:** B

#### NEW QUESTION 169

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

**Answer:** ACD

#### NEW QUESTION 170

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

**Answer:** C

#### NEW QUESTION 171

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

**Answer:** C

#### NEW QUESTION 174

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 RA

**Answer:** C

#### NEW QUESTION 176

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

**Answer:** D

#### NEW QUESTION 177

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-floo

**Answer:** A

#### NEW QUESTION 180

A technician is installing a 2U rack mount server. The necessary rack space height to accommodate the server is:

- A. 2.5 inches (.064 meter).
- B. 3.0 inches (.076 meter).
- C. 3.5 inches (.089 meter).
- D. 4.0 inches (.10 meter).

**Answer:** C

#### NEW QUESTION 181

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

**Answer:** C

#### NEW QUESTION 182

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 hour

**Answer:** A

#### NEW QUESTION 183

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

**Answer:** CD

#### NEW QUESTION 188

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

**Answer:** B

#### NEW QUESTION 192

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

**Answer:** A

#### NEW QUESTION 196

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

**Answer:** B

#### NEW QUESTION 201

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. Disable WOL

**Answer:** C

#### NEW QUESTION 203

An administrator is building a web server to host an online banking application. The server should not have access to the internal network, and only ports that are used by the application should be opened. Which of the following MUST be implemented to meet the business requirements?

- A. Add the server to the internal network and use IPSec to encrypt communication between the web server and other devices.
- B. Use an ISA server to block access to the internal network.
- C. Use VPN to block all ports that are not used by the application.
- D. Use the company firewall to block all ports that are not used by the application.

**Answer:** D

#### NEW QUESTION 205

A server administrator is configuring access control on a file server for an organization. The Human Resources manager is taking a leave of absence for three months, during which time an interim Human Resources manager will take over the duties of the position. Which of the following types of access control should be configured on the file server?

- A. MAC
- B. CBAC
- C. DAC
- D. RBAC

**Answer:** D

**NEW QUESTION 207**

Which of the following methods should be used when classified or sensitive data is stored on a server?

- A. Directory encryption
- B. Whole disk encryption
- C. File encryption
- D. Partition encryption

**Answer:** B

**NEW QUESTION 209**

Two technicians are asked to install a 6U server at location U25 in a 40U server rack. The rack has been properly stabilized to the floor. Which of the following tools would BEST be used to install the server?

- A. A static strap.
- B. A server lift.
- C. A PDU.
- D. A UPS.

**Answer:** B

**NEW QUESTION 212**

Which of the following services provides users with directory services?

- A. IMAP
- B. LDAP
- C. SFTP
- D. DHCP
- E. DNS

**Answer:** B

**NEW QUESTION 213**

In order for a server to fully function as a web server, which of the following default ports should be open? (Select TWO).

- A. 22
- B. 80
- C. 443
- D. 445
- E. 631
- F. 8080

**Answer:** BC

**NEW QUESTION 215**

Which of the following default ports should be open on a server for remote administration?

- A. TCP 25
- B. TCP 389
- C. TCP 3128
- D. TCP 3389

**Answer:** D

**NEW QUESTION 220**

Employees working for a company were harmed by toxic fumes during a fire. To prevent this from reoccurring, which of the following cable types is SAFEST to use?

- A. CAT6 cables
- B. Plenum cables
- C. Fiber cables
- D. Coaxial cables

**Answer:** B

**NEW QUESTION 221**

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

**Answer: C**

**NEW QUESTION 222**

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 resource

**Answer: A**

**NEW QUESTION 224**

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 firmwar

**Answer: A**

**NEW QUESTION 228**

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

**Answer: A**

**NEW QUESTION 229**

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

**Answer: B**

**NEW QUESTION 231**

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 on

**Answer: B**

**NEW QUESTION 233**

A server with a number of graphics cards installed was recently upgraded with additional graphics cards. Once the server is started, the system powers off unexpectedly. Prior to the upgrade, the server was stable and exhibited no odd behavior. Which of the following is the MOST likely cause of the problem?

- A. The card device drivers are out of date and need to be updated.
- B. The power supply cannot handle the additional power for the new cards.
- C. The operating system does not recognize the new cards.
- D. The cards are not compatible with the other server hardwar

**Answer: B**

**NEW QUESTION 235**

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

**Answer:** A

#### NEW QUESTION 237

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 failin

**Answer:** A

#### NEW QUESTION 241

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 workstation

**Answer:** B

#### NEW QUESTION 244

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 close

**Answer:** C

#### NEW QUESTION 245

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 DN

**Answer:** D

#### NEW QUESTION 246

A technician has connected a previously formatted ext4 eSATA drive to a Linux server. Given the following output:

Disk /dev/sdb: 1000.2 GB, 1000204886016 bytes

255 heads, 63 sectors/track, 382818 cylinders, total 1953525168 sectors Units = sectors of 1 \* 512 – 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes I/O size (minimum/optimal): 512 bytes / 512 bytes Disk identifier: 0x0009f31a

Device Boot Start End Blocks Id System

/dev/sdb1 \* 20481 953525168 976761560 83 Linux

Which of the following commands should the technician use to make the partition available under

/data/drive0?

- A. fdformat -type Linux /dev/sdbl -d /data/drive0
- B. ext2 0x0009f31a /data/drive0
- C. net use /data/drive0 /dev/sdb
- D. mount /dev/sdbl /data/drive0
- E. fdisk -l /data/drive0

**Answer:** D

#### NEW QUESTION 251

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

**Answer:** BF

#### NEW QUESTION 252

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

**Answer:** A

#### NEW QUESTION 254

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

**Answer:** C

#### NEW QUESTION 256

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. tracer
- B. ping
- C. nslookup
- D. netstat

**Answer:** A

#### NEW QUESTION 261

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

**Answer:** B

#### NEW QUESTION 266

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

**Answer:** AB

#### NEW QUESTION 270

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

**Answer:** A

#### NEW QUESTION 274

A new server has a battery-backed RAID controller built onto the motherboard. Which of the following will occur if the RAID controller fails?

- A. The array configuration information will be lost.
- B. The battery will provide enough power to save the array information.
- C. All data stored on the array is lost.
- D. The array will continue to function in a degraded stat

**Answer:** B

#### NEW QUESTION 277

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.

**Answer:** A

#### NEW QUESTION 279

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

**Answer:** A

#### NEW QUESTION 280

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.

**Answer:** A

#### NEW QUESTION 282

A sever 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 simultaneously connect to two servers. Which of the following storage types was implemented by the first administrator?

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

**Answer:** A

#### NEW QUESTION 285

A clustered server goes offline due to a backplane failure. Which of the following clusters does not lose capacity when a server goes offline?

- A. An active-passive cluster
- B. A distributed cluster
- C. An active-active cluster
- D. A standby switch cluster

**Answer:** C

#### NEW QUESTION 288

Which of the following RAID configurations consists of mirrored disks?

- A. RAID 0
- B. RAID 1
- C. RAID 5
- D. RAID 6

**Answer:** B

#### NEW QUESTION 292

Which of the following describes a root cause analysis?

- A. Identify the circumstances that initiated the problem.
- B. Replicate the problem in a test environment.
- C. List necessary corrective actions for the problem.
- D. Confirm the theory of probable caus

**Answer:** A

#### NEW QUESTION 295

Which of the following hypervisors is physically installed on a server?

- A. Type 1
- B. Type 2
- C. VDI
- D. Hybrid

**Answer:** A

#### NEW QUESTION 298

When setting up a new Linux server that will require files larger than 2 TB in size, which of the following file system types should be used?

- A. NTFS
- B. ext2
- C. ext4
- D. FAT32

**Answer:** C

#### NEW QUESTION 300

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

**Answer:** D

#### NEW QUESTION 305

An administrator checks a server running a RAID 1 with ten drives and notices three drives have blinking amber lights. Which of the following is the FIRST action the administrator should take?

- A. Reseat the drives one at a time
- B. Inform the users the server is down
- C. Shut down the server and replace the drives
- D. Call support and open a case

**Answer:** A

#### NEW QUESTION 307

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

**Answer:** C

#### NEW QUESTION 312

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

**Answer:** AC

#### NEW QUESTION 314

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

**Answer:** A

#### NEW QUESTION 319

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

**Answer:** D

#### NEW QUESTION 321

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

**Answer:** A

#### NEW QUESTION 326

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

**Answer:** C

#### NEW QUESTION 327

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

**Answer:** B

#### NEW QUESTION 328

A technician needs to install another PCIe NIC in a server. The server currently has four fully populated PCIe slots. Which of the following must the technician install before installing the card?

- A. Install a virtual NIC
- B. Install a riser card
- C. Install a daughtercard
- D. Install a KVM

**Answer:** B

#### NEW QUESTION 330

An administrator is asked to move a 64-bit guest to a new host. However, the guest will not boot on the new host. Which of the following is the cause of the problem?

- A. The new host's hypervisor is not Type 1
- B. The management interface is not activated on the host
- C. In the BIOS, AMD-V Intel VT are not turned on
- D. The new host's hypervisor is not Type 2

**Answer:** D

#### NEW QUESTION 335

A server technician is notified that Linux web services are no longer accessible. The technician is at a remote site only has access to a Windows workstation. Which of the following should the technician use to remotely restart the web services?

- A. Connect to the server using SSH
- B. Connect to the server using RDP
- C. Connect to the server using SCP
- D. Connect to the server using FTPS

**Answer:** B

#### NEW QUESTION 339

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

**Answer:** B

#### NEW QUESTION 342

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

**Answer:** A

#### NEW QUESTION 343

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

**Answer:** C

#### NEW QUESTION 348

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

**Answer:** A

#### NEW QUESTION 350

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

**Answer:** B

#### NEW QUESTION 353

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

**Answer:** BC

#### NEW QUESTION 354



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

**Answer:** C

#### NEW QUESTION 355

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

**Answer:** A

#### NEW QUESTION 359

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

**Answer:** B

#### NEW QUESTION 363

A user is reporting lack of connectivity to the server. Which of the following tools will provide feedback to the administrator while troubleshooting basic IP connectivity? (Choose two.)

- A. net use
- B. ping
- C. traceroute
- D. mount
- E. telnet

**Answer:** BC

#### NEW QUESTION 368

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

**Answer:** C

#### NEW QUESTION 370

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

**Answer:** A

#### NEW QUESTION 372

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

**Answer:** A

#### NEW QUESTION 374

Which of the following components is required to connect multiple servers to a SAN?

- A. Router
- B. HBA
- C. RAID controller
- D. Fiber switch

**Answer:** B

#### NEW QUESTION 375

A systems administrator is troubleshooting a server that will not turn on. The LED lights are not blinking, and no status light indicators are available. The administrator has checked the PDU and UPS to verify proper functionality. Which of the following components is the MOST likely cause of this problem?

- A. NIC failure
- B. Memory failure
- C. CPU failure
- D. Power supply failure

**Answer:** D

#### NEW QUESTION 376

A SLA document:

- A. outlines expectations and requirements from a provider to a consumer
- B. contains information on specific hardware or software usage and behavior
- C. defines performance expectations under normal circumstances
- D. outlines expected movement of information between servers and services

**Answer:** A

#### NEW QUESTION 378

The last available backup is from 12 months ago. Which of the following should an administrator perform prior to applying a critical application patch to a guest OS? (Choose two.)

- A. Full backup
- B. Database snapshot
- C. Incremental backup
- D. Virtual machine snapshot
- E. File system copy

**Answer:** AB

#### NEW QUESTION 379

A datacenter administrator is reallocating CPU and memory resources for a guest VM. The guest VM runs on a hypervisor that has direct access to the hardware resources being allocated. Which of the following BEST describes this scenario?

- A. The guest is using a Type I hypervisor
- B. The hypervisor is running on a virtual hardware
- C. The host is using a Type II hypervisor
- D. The guest is using a hybrid hypervisor

**Answer:** A

#### NEW QUESTION 382

A server technician has just installed a server with several roles. The technician then launches a command prompt, runs the netstat command, and notices the server is listening on the following ports: 88, 389, 464, 3268, and 3269. Which of the following server roles is MOST likely installed on this server, given the ports above?

- A. Database server
- B. Directory server
- C. Mail server
- D. Web server

**Answer:** B

#### NEW QUESTION 386

Which of the following devices should be installed BEFORE installing a server's operating system locally?

- A. Hard drive
- B. Chipset
- C. NIC
- D. Optical drive

**Answer:** A

#### NEW QUESTION 389

Which of the following security measures would be MOST effective in a datacenter that experiences frequent power surges and spikes? (Choose two.)

- A. Security guards
- B. Numeric keypads
- C. Biometrics
- D. Access lists
- E. RFID chips

**Answer:** AD

#### NEW QUESTION 390

A server administrator is configuring 10 web servers, each of which can contain up to four hard disks. To get the HIGHEST level of redundancy for these servers, the administrator should:

- A. configure using four disks in a RAID 0 array
- B. configure using four disks in a RAID 5 array
- C. configure using four disks in a RAID 6 array
- D. configure using four disks in a RAID 10 array

**Answer:** C

#### NEW QUESTION 393

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

**Answer:** A

#### NEW QUESTION 396

A user cannot save a 2 GB file to a file server. A technician determines that permissions are correct and the file system has 10 MB of available space for new files. The technician wants to enable compression as a short-term fix. Which of the following should the technician do FIRST?

- A. Free enough disk space to hold the largest file's uncompressed size
- B. Decrease the amount of system CPU and memory requirements
- C. Encrypt the file system on the server
- D. Install at least enough memory to hold the largest file's uncompressed size

**Answer:** A

#### NEW QUESTION 400

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

**Answer:** A

#### NEW QUESTION 405

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 process

**Answer:** DE

#### NEW QUESTION 410

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

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

**Answer:** C

#### NEW QUESTION 414

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

**Answer:** A

#### NEW QUESTION 418

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 servic

**Answer:** B

#### NEW QUESTION 419

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 activit

**Answer:** C

#### NEW QUESTION 423

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 drive

**Answer:** B

#### NEW QUESTION 424

A company's computer policy dictates that all users workstations must use the company's corporate web page as their default home page. Which of the following methods should an administrator use to BEST comply with this policy?

- A. Configure a logon script to set the homepage at logon.
- B. Set the default homepage to the corporate website in Group Policy.
- C. Manually configure the homepage on all workstations and setup trace logs to ensure compliance.
- D. Set the default homepage to the corporate website on the base computer imag

**Answer:** B

#### NEW QUESTION 428

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

**Answer:** C

#### NEW QUESTION 431

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

**Answer:** BEF

#### NEW QUESTION 432

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

**Answer: C**

#### NEW QUESTION 437

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.

**Answer: C**

#### NEW QUESTION 439

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

**Answer: D**

#### NEW QUESTION 443

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

- A. Riser cards
- B. Water cooling
- C. Shroud
- D. Baffle
- E. Heat sinks

**Answer: CD**

#### NEW QUESTION 447

Which of the following BEST describes RAID 1?

- A. Mirroring
- B. Striping
- C. Striping with parity
- D. Striping with mirroring

**Answer: A**

#### NEW QUESTION 452

Which of the following BEST describes a server where several physical server chassis are housed within an enclosure to share some redundant resources?

- A. Tower server
- B. Rack mount server
- C. Blade server
- D. Bare metal server

**Answer: C**

#### NEW QUESTION 457

Which of the following memory technologies has the HIGHEST cost to implement?

- A. ECC
- B. RAID
- C. Pairing
- D. Registered

**Answer: B**

#### NEW QUESTION 458

A power loss during a firmware update would MOST likely result in which of the following?

- A. Increased heat output
- B. Damage of the hardware
- C. Loss of storage data
- D. Decreased performance

**Answer:** B

**NEW QUESTION 459**

Which of the following interfaces in Windows server can be used to add a new volume for storage? (Select TWO).

- A. Computer Management
- B. System Properties
- C. Device Manager
- D. Disk Management
- E. My Computer

**Answer:** AD

**NEW QUESTION 463**

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 occur

**Answer:** D

**NEW QUESTION 464**

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

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

**Answer:** C

**NEW QUESTION 466**

Which of the following expansion slots is 64-bit?

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

**Answer:** D

**NEW QUESTION 470**

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

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

**Answer:** B

**NEW QUESTION 473**

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

**Answer:** A

**NEW QUESTION 478**

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

**Answer: C**

**NEW QUESTION 481**

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 mod

**Answer: C**

**NEW QUESTION 483**

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

**Answer: B**

**NEW QUESTION 484**

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

**Answer: B**

**NEW QUESTION 486**

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

**Answer: B**

**NEW QUESTION 490**

Which of the following BEST describes server virtualization?

- A. A single logical server operating on multiple physical servers.
- B. Applications hosted on a single server and deployed to multiple users.
- C. Multiple servers used to host applications for multiple users.
- D. Multiple logical servers operating on the same physical serve

**Answer: D**

**NEW QUESTION 493**

Which of the following is the MOST important factor when considering environmental factors?

- A. Server room access should be limited to authorized personnel.
- B. Servers should be kept in a warm and dark environment.
- C. Remove the floppy drives from the system.
- D. The server administrator should ensure adequate levels of coolin

**Answer: D**

**NEW QUESTION 496**

An administrator has just installed a new NIC into the server. The system POSTs fine and the NIC is recognized by the OS, but it does not receive an IP address. Which of the following is the MOST likely cause of this?

- A. The NIC is not on the HCL.
- B. The driver is incorrect on the server.
- C. The patch cable has not been seated properly.

D. The NIC is not seated properly.

**Answer:** C

**NEW QUESTION 497**

Which of the following is the FIRST thing that should be done in order to begin reinstalling TCP/IP on the server?

- A. Configure netsh settings in case of backup
- B. Restart the server
- C. Notify users
- D. Uninstall TCP/IP

**Answer:** C

**NEW QUESTION 498**

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

**Answer:** AD

**NEW QUESTION 500**

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

**Answer:** C

**NEW QUESTION 501**

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

**Answer:** A

**NEW QUESTION 503**

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

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

**Answer:** B

**NEW QUESTION 504**

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

**Answer:** A

**NEW QUESTION 505**

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 por

**Answer:** AD

**NEW QUESTION 508**

After installing a second processor and corresponding heatsink into a server, an administrator notices that the new processor is not showing up during POST. Which of the following could be the cause of this issue?

- A. The power supply is not sufficient to power the server.
- B. The voltage regulator module (VRM) was not installed.
- C. The IRQ setting was not set.
- D. The DMA setting was not se

**Answer:** B

**NEW QUESTION 510**

Which of the following is a bus mastering method? (Select TWO).

- A. A device transfers data directly to the memory.
- B. A device handles mediation between the northbridge and the processor.
- C. A device connects to another device without involving the processor.
- D. A device transfers data to the processor and then on to the memory.
- E. A device handles mediation between the southbridge and the processo

**Answer:** AC

**NEW QUESTION 515**

While working in the server room a technician notices that water is forming on the walls of the server room. Which of the following is the BEST course of action to correct the problem?

- A. Contact facilities staff to adjust the humidity levels.
- B. Leave the temperature the same, after time it will evaporate on its own.
- C. Lower the temperature, the cold air will help the water evaporate.
- D. Contact facilities staff to raise the temperature of the roo

**Answer:** A

**NEW QUESTION 520**

An administrator is creating a comprehensive backup system to backup a single web server. Which of the following is the BEST way to provide full restore?

- A. Take an image backup nightly while the server is online.
- B. Take an incremental backup while the server is offline.
- C. Take a monthly snapshot backup while the server is online.
- D. Take a differential backup while the server is onlin

**Answer:** A

**NEW QUESTION 525**

An administrator confirmed that the company's public website keeps presenting a certificate warning asking whether this site should be trusted when accessing it over HTTPS. Which of the following is the MOST likely cause for this issue?

- A. Private key is missing from the certificate.
- B. Public key is missing from the certificate.
- C. SSL certificate is not trusted by the intermediate CA.
- D. SSL certificate is not issued by a trusted root C

**Answer:** D

**NEW QUESTION 530**

Which of the following multifactor authentication methods does the smart card satisfy?

- A. Something you have
- B. Something you know
- C. Something you are
- D. Something you look like

**Answer:** A

**NEW QUESTION 534**

A server administrator suspects that an unauthorized email relay agent is running on a web server. The web server has a hostname of web1.example.com and an IP address of 199.90.89.51. Which of the following commands should the server administrator execute to verify these suspicions?

- A. telnet web1.example.com 25
- B. telnet web1.example.com 23
- C. telnet 199.90.89.51
- D. telnet 199.90.89.51 80

**Answer:** A

**NEW QUESTION 535**

An administrator needs to build a new virtualization host. The hypervisor should be able to directly access the server hardware and allow the host to provide maximum performance. Which of the following types of hypervisors should the administrator install to BEST meet these goals?

- A. Install a Type 1 hypervisor.
- B. Install a Type 2 hypervisor.
- C. Install a 32-bit hypervisor.
- D. Install a hybrid hyperviso

**Answer:** A

**NEW QUESTION 538**

A server is installed in a location that is prone to power failures. While the server is connected to a UPS, the systems administrator is still concerned about ensuring the integrity of the data being written to the RAID array. Which of the following is the systems administrator MOST likely to do?

- A. Install additional memory on the RAID controller.
- B. Install redundant RAID controllers.
- C. Install battery-backed cache on the RAID controller.
- D. Install updated firmware on the RAID controlle

**Answer:** C

**NEW QUESTION 539**

A technician is troubleshooting a hardware issue with a blade. When the technician inserts the blade into a slot, the blade will not power up. The blade will power up, however, in another chassis that has the same configuration. The blade management software reports no issue with the chassis or with any other blades. Which of the following is the MOST likely cause of the blade not powering up?

- A. Chassis firmware
- B. Chassis power supply
- C. Slot in backplane
- D. Blade management module

**Answer:** C

**NEW QUESTION 543**

An IT manager needs to purchase client access licenses for servers. The network has ten workstations and 100 on-site users. Which of the following licensing models should the systems administrator recommend ?

- A. per user licensing
- B. per CPU licensing
- C. per operating system licensing
- D. per device licensing

**Answer:** A

**NEW QUESTION 544**

An administrator is attempting to connect a laptop directly to a server's 100Mbps management NIC. Which of the following cables should the administrator use ?

- A. Rollover
- B. Straight through Cat 5
- C. Straight through Cat 5e
- D. Crossover

**Answer:** D

**NEW QUESTION 547**

A technician receives errors that a server's internal temperature is approaching an unsafe limit. After opening up the chassis, all fans are operational. Which of the following should be checked NEXT ?

- A. Blockage of the cooling system
- B. Fire suppression system
- C. Uninterruptible power supply load
- D. Location of the server

**Answer:** A

**NEW QUESTION 552**

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

**Answer:** A

#### NEW QUESTION 555

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

**Answer:** C

#### NEW QUESTION 558

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

**Answer:** A

#### NEW QUESTION 559

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.

**Answer:** C

#### NEW QUESTION 564

An administrator receives a call from a user reporting that one of the application servers is not accessible by host name but is accessible via an IP address. Which of the following is the MOST likely issue?

- A. The DNS reverse lookup zone is misconfigured.
- B. The DNS MX record type is misconfigured.
- C. The DNS resource record is missing.
- D. The DNS forward lookup zone is missin

**Answer:** C

#### NEW QUESTION 566

An office experienced a long power outage that will require the servers to be powered on manually by a technician once a power is restored. Based on server roles, which of the following servers should be powered on manually by a technician once power is restored. Based on server roles, which of the following servers should be powered on FIRST?

- A. Directory server
- B. File server
- C. Web server
- D. Database server

**Answer:** A

#### NEW QUESTION 569

A server prompts Ann, a user, to reset her logon password. The next time Ann tries to log onto the server, she cannot remember her new password. After several failed attempts, Ann receives a message that she cannot attempt to log on again without the help of an administrator. Which of the following should an administrator do to remedy this issue? (Choose two.)

- A. Reset Ann's password
- B. Unlock Ann's account
- C. Reboot the server
- D. Recreate Ann's profile
- E. Check Ann's profile
- F. Verify Ann's ACL

**Answer:** AB

#### NEW QUESTION 574

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

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

**Answer:** D

#### NEW QUESTION 578

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

**Answer:** C

#### NEW QUESTION 583

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

**Answer:** A

#### NEW QUESTION 588

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

**Answer:** A

#### NEW QUESTION 593

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

**Answer:** A

#### NEW QUESTION 597

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

**Answer:** C

#### NEW QUESTION 600

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

**Answer:** D

#### NEW QUESTION 603



Which of the following plans describes the process by which an organization manages a major outage?

- A. Contingency
- B. Site-to-site backup
- C. Disaster recovery
- D. Business continuity

**Answer:** D

#### NEW QUESTION 604

A server administrator wants to increase the availability of a web server without implementing a cluster. Which of the following would accomplish this task?

- A. Configure round robin DNS entries
- B. Configure an active/active service
- C. Configure an active/passive service
- D. Configure two servers with the same IP address

**Answer:** D

#### NEW QUESTION 605

A server with redundant power supplies connected to two different UPS units fails to gracefully shut down during a power outage. A technician has verified cables and both UPS units are properly connected. Which of the following hardware tools should the technician use to further troubleshoot this issue?

- A. Load tester
- B. OTDR
- C. Loopback plug
- D. Crimper

**Answer:** A

#### NEW QUESTION 608

An administrator is installing a 2U server from a remote location in a rack with 4U of available rack space. The administrator prepares the rack to accept the server. Which of the following is the MOST likely cause?

- A. Not enough physical space
- B. Mismatched rail kits
- C. Wrong cable management arms
- D. Broken rack rails

**Answer:** B

#### NEW QUESTION 611

A systems administrator is inspecting a file server setup with a RAID 10 configuration among four 160GB SAS drives. The administrator has replaced all of the drives with 500GB SAS drives. Which of the following storage tools should the administrator use NEXT to effectively administer the change?

- A. Disk management tool
- B. Disk monitoring tool
- C. Disk cloning tool
- D. Disk partitioning tool

**Answer:** A

#### NEW QUESTION 616

An administrator needs to back up files from a server to the cloud. The administrator must select the most efficient type of backup technology that will update file changes the fastest and utilize the least amount of bandwidth. Which of the following backup technologies should the administrator select?

- A. File-level backups
- B. Block-level backups
- C. Snapshot-level backups
- D. Folder-level backups

**Answer:** B

#### NEW QUESTION 619

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

**Answer:** B

#### NEW QUESTION 622

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 UF

**Answer:** C

**NEW QUESTION 623**

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 storag

**Answer:** A

**NEW QUESTION 628**

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

**Answer:** B

**NEW QUESTION 633**

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