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Number: SK0-004
Passing Score: 800
Time Limit: 120 min



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SK0-004

CompTIA Server+

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Exam A

QUESTION 1

A technician needs to install additional memory in a server to help resolve performance issues. Which of the following should the technician do FIRST?



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- A. Perform an impact analysis.
- B. Follow change management procedures.
- C. Install the additional memory.
- D. Update system firmware.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

A system administrator is asked to set up several physical file servers that have recently crashed due to a power failure. Which of the following documents should the administrator refer to in order to complete this task?

- A. Server configuration documentation
- B. Network diagram
- C. Asset management documentation
- D. Dataflow diagram

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

When attempting to diagnose service access issues between multiple hosts that coordinate information, which of the following can be used to track dependencies?

- A. Dataflow diagrams
- B. Architecture diagrams
- C. Baseline documentation
- D. Service manuals

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

An organization has agreed on the software that will be used to virtualize the company's web servers. Which of the following should the administrator reference prior to purchasing physical servers to be deployed as hosts in the new virtual architecture?

- A. The vendor's software compatibility list
- B. The vendor's service level agreement
- C. The vendor's hardware compatibility list
- D. The vendor's end user licensing agreement

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

A system administrator has decided to create several VMs for a company. In which of the following locations would each of the VMs reside?

- A. Host
- B. VNC
- C. Guest
- D. VPN

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

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%

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

A technician is tasked with building a test server. Which of the following hard drive types will provide the highest performance?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9

A technician is called upon to add storage to a database server. The database administrator needs the maximum performance for accessing many small files. Which of the following specifications should the technician focus on when selecting the drive to add to the server?

- A. Form factor
- B. Capacity
- C. Bus bandwidth
- D. Seek time

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

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. 0
- B. 1
- C. 5
- D. 10

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

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?



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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12

A system administrator has determined that more storage is needed for company data. The storage requires the highest speed data transfer rate with maximum performance. Which of the following solutions MUST be implemented to meet the business requirements?

- A. FC SAN
- B. FCoE
- C. iSCSI
- D. JBOD

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

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

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

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 15

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 16

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 17

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 18

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 19

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 20

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



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- 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 21

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 22

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 23

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 24

Which of the following protocols can be used to perform configuration management on a remote server using the MOST secure methods? (Select TWO).

- A. SMTP
- B. DHCP

- C. RDP
- D. SSH
- E. TELNET
- F. DNS

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

A server technician needs to connect two servers with gigabit NICs without MDI-X in order to transfer files between them and is unable to locate a switch with gigabit ports. Which of the following types of cables would allow the technician to connect the servers to obtain the FASTEST transfer rate possible?

- A. Rollover cables
- B. CAT6 crossover cables
- C. CAT6 straight-through cables
- D. CAT5 straight-through cables

Correct Answer: B

Section: (none)

Explanation**Explanation/Reference:****QUESTION 27**

A server technician is connecting a server to a switch in the server room. Both the server and the switch are equipped with 10 Gigabit Ethernet adapters. Which of the following cable choices would produce the BEST throughput?

- A. CAT6 rollover cable
- B. CAT5e straight-through cable
- C. CAT6 straight-through cable
- D. CAT5e crossover cable

Correct Answer: C

Section: (none)

Explanation**Explanation/Reference:****QUESTION 28**

An administrator is updating the server infrastructure at a company's disaster recovery site. Currently, an enormous amount of effort is required by the administrator to replicate operations. Which of the following types of site is the administrator currently using?

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

Correct Answer: A

Section: (none)

Explanation**Explanation/Reference:****QUESTION 29**

A technician has traveled to a company's alternate site to assess current operations of the network infrastructure. Following the assessment, the technician has informed management that everything is operational, with all applications and data mirrored. Which of the following types of site does the company have?

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

A hardware failure affects a server in a datacenter. The server is critical to company operation, and the hardware vendor is out of stock on the parts needed to repair the server. A network technician suggests replacing it with a server from the warm site. Which of the following should the technician do FIRST?

- A. Outsource a hardware-certified courier to move the server to the datacenter.
- B. Check the DRP and BCP and talk to the company stakeholders before making the decision.
- C. Unrack the server from the warm site and move it to the datacenter.
- D. Order the parts from the hardware vendor and notify affected users that the server will be down.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

A technician wants to implement a grandfather-father-son tape rotation policy. Which of the following implements this backup strategy?

- A. Assign a different set of tapes for daily, weekly, and monthly backups.
- B. Use a different set of tapes for every two, four, and eight days.
- C. Designate a different set of tapes for odd-day and even-day backups.
- D. Use a queue to rotate tapes based on the age and usage of the tape.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35

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.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37

A system administrator needs to rebuild a server by booting to the OS DVD. The server powers up but attempts to boot from the network. Which of the following is the MOST likely source of the problem?



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- A. Incorrect media type
- B. Driver failure
- C. Incorrect mount point
- D. Memory failure

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 38

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 39

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 40

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 41

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 42

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 43

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 44

A technician is troubleshooting an issue with a new server, which is unable to download OS patches from the Internet. The technician reviews the following configuration:

Ethernet Adapter Local Area Connection:

Connection-specific DNS Suffix . : comptia.org

Link-local IPv6 Address : fe80::c95:3f59:1a01:c050%11

IPv4 Address : 192.168.10.20

Subnet Mask : 255.255.255.128

Default Gateway : 192.168.10.129

Which of the following is the reason that the server is unable to connect to the Internet?

- A. Incorrect default gateway
- B. Invalid IPv6 address
- C. Wrong subnet mask
- D. Misconfigured DNS suffix

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

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 segments.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 46

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:

QUESTION 47

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 48

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 49

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 50

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 51

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 52

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

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 53

A technician is assigned a task to configure a new server with six hard drives. The senior administrator requested the technician utilize the drives for maximum fault tolerance. Which of the following RAID configurations should the technician use?

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 54

Two RAID arrays are created from eight disks. One is created using RAID 6, the other is created using RAID 5 with a hot spare. Which of the following is the operational difference between these configurations?

- A. RAID 6 has the ability to recover from two disks simultaneously failing.
- B. The RAID 5 array will be significantly faster than the RAID 6 array.
- C. The RAID 6 array will be significantly faster than the RAID 5 array.
- D. RAID 6 has a higher storage capacity than RAID 5.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 55

A datacenter technician encounters a power receptacle labeled NEMA L5-30. Which of the following powers is this socket rated for?

- A. 115v 30 amp
- B. 208v 30 amp
- C. 220v 1 phase
- D. 440v 3 phase

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 56

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?



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- 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.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 57

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 rack.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 58

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 59

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 networking.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 60

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 address.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 61

A system administrator is concerned with employees connecting removable storage to the server to copy sensitive data. Which of the following solutions addresses this concern?

- A. Disable write access
- B. Disable WOL
- C. Disable TPM
- D. Disable physical ports

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 62

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 63

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 64

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 65

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 66

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 67

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 68

Which of the following will protect data loss against catastrophic multiple physical drive failure?

- A. RAID 10
- B. Snapshot
- C. Tape backup
- D. RAID 5

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 69

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 70

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 71

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 72

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 73

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 74

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 75

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 76

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 77

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.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 78

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 79

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?



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- 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 80

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 81

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 82

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 83

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 84

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 85

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 86

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 87

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).

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 88

A system technician is asked to create a test environment that will consist of 45 computers and a file server. Which of the following types of servers is BEST suited for IP management in the lab network?

- A. Domain Name Service
- B. Window Internet Naming Services
- C. Dynamic Host Configuration Protocol
- D. Routing and Remote Access

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 89

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 90

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 91

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 92

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 93

An administrator needs to control servers locally via a console. The administrator wants a rack mounted solution for easy access. Which of the following should be installed?

- A. iDRAC
- B. KVM
- C. ILO
- D. RDP

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 94

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 95

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 96

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 97

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 98**

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 99**

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 100**

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



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- D. Seek time and latency
- E. Form factor
- F. Bus width

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 101

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 102

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 103

A new server has two drives and a RAID controller. Which of the following is an option for configuring the storage on this server?

- A. RAID 0
- B. RAID 5
- C. RAID 6
- D. RAID 10

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 104

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 105

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 106

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 107**

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 108**

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 109**

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 110

An email administrator is tasked to setup 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 mail server? (Select TWO).

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

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 111

Which of the following authentication protocols could be used to authenticate network administrators at a datacenter to manage switches over a remote SSH connection? (Select TWO).

- A. LDAP
- B. TACACS
- C. RADIUS

- D. SNMP
- E. IPSec
- F. MSCHAP

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 112

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.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 113

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 114

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 115

A technician working in the datacenter has finished racking a new 4U server into a new rack. Which of the following should the technician do to allow for hot/cold aisle containment?

- A. Close the perforated floor tile in front of the new rack.
- B. Reset the rack temperature and humidity control.
- C. Install blanking panels in the rack.
- D. Lower the temperature of the data center HVAC.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 116

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.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 117

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 118

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 119

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 120

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 121

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 122

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?



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- 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 123

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?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 124

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 125

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 hardware.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 126

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 127

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 128

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 129

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 130

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 131

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 132

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 133

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?

- 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 134

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:

QUESTION 135

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 136

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 137

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 138

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 139

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 140

A server has two power supplies. If power is lost to the second power supply, which of the following will occur?

- A. The server will gracefully shut down
- B. The server will remain in operation
- C. The automatic transfer switch will bring in generator power
- D. The UPS will exceed maximum load

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 141

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 142

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 143

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



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- C. Maintenance settings
- D. Security event logs

Correct Answer: B

Section: (none)

Explanation**Explanation/Reference:****QUESTION 144**

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 145**

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 146**

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 147

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 148

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 149

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 150

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 151

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 152

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 153

A technician is setting up a server with a RAID 1 array for the boot partition and a RAID 5 array for the data partition. Which of the following is the MINIMUM number of disks needed to implement these partitions?

- A. 4
- B. 5
- C. 6

D. 7

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 154

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 155

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 156

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 157

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 158

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 159

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 160

After applying a set of OS patches, a systems administrator finds that, on reboot, a server hangs with a blinking cursor after the system POST. Which of the following should the administrator do FIRST?

- A. Attempt to reload the master boot record
- B. Replace the boot drive, and reinstall the OS
- C. Restore the server from backup
- D. Clone the boot drive to another hard drive

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 161

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 162

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 163

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 164

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 165

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 166

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



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- D. Liquid cooling

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 167

A telephone company is responsible for maintaining a list of 25 million names and phone numbers for inclusion in printed phone books as well as in an inline phone directory accessible on the company's website. Which of the following types of servers would be MOST appropriate to store its information?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 168

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 169

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 170

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 171

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 172

A systems administrator needs to configure the company's web server to authenticate using PKI certificates. Which of the following servers would be queried to validate user credentials?

- A. DHCP server
- B. DNS server
- C. Certificate authority
- D. ACL on web server
- E. LDAP server

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 173

DRAG DROP

Match each port number with its appropriate protocol name.

Select and Place:

Port Number	Protocol
989	<input type="text"/> DNS
22	<input type="text"/> DHCP
68	<input type="text"/> LDAP
53	<input type="text"/> FTPS
389	<input type="text"/> SSH

Correct Answer:

Port Number		Protocol
<input type="text"/>	53	DNS
<input type="text"/>	68	DHCP
<input type="text"/>	389	LDAP
<input type="text"/>	989	FTPS
<input type="text"/>	22	SSH

Section: (none)

Explanation

Explanation/Reference:

QUESTION 174

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 175

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 176

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 177

A server administrator is formulating a DRP for an organization. The DRP specifies that all backups must be saved in a format that supports linear data access. Which of the following media types would meet this objective?

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 178

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 179

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 180

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 181

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 182

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 183

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 184

An administrator wants to ensure a server OS and data can be recovered in case all the server's hard disk drives fail simultaneously. Which of the following backup types must be implemented to meet the requirements?

- A. Full backup

- B. Differential
- C. Incremental
- D. Bare metal

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 185

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 186

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 187

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 188

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 189

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

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 190

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 191

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 192

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



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Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 193

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)

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Explanation

Explanation/Reference:

QUESTION 194

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 195

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 196

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 197

An auditor wants to reduce the server footprint in a company's remote datacenter to decrease hosting costs. Regarding life-cycle management, which of the following is the auditor MOST likely to look for in reviewing the company's asset data?

- A. Make, model, asset tag, and serial number
- B. Procurement date, current usage, and scheduled end of life
- C. Licensing, warranty expiration date, and efficiency
- D. Server configuration, MTBF, and replacement cost

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 198

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 199

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

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 200

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 201

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 202

A technician notices inlet temperatures to rack-mounted servers are significantly higher in the center of the rack as compared to the top and bottom of the rack. Which of the following is the MOST likely reason?

- A. Lack of front-mounted blanking panels
- B. Too much humidity in the room
- C. Room temperature set too high
- D. Air conditioning units sized incorrectly

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 203

A remote technician is notified that a LED light for a server's hard drive is red. Which of the following should the technician check to verify RAID functionality?

- A. Network-based hardware administration
- B. Access control lists
- C. File system check
- D. Connectivity via a serial cable

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 204

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 image.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 205

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 206

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 207

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 208

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 209

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 210

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 211

Which of the following is designed to guarantee that once data is written it cannot be modified? (Select TWO).

- A. Flash
- B. DLT4 tapes
- C. CD-R
- D. SDLT tapes
- E. WORM

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 212

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

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 213

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 214

Which of the following BEST describes RAID 1?

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 215

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 216

Which of the following BEST describes the difference between RAID 5 and RAID 6?

- A. RAID 5 uses a dedicated parity drive and RAID 6 does not.
- B. RAID 6 uses a dedicated parity drive and RAID 5 does not.
- C. RAID 6 uses more parity drives than RAID 5.
- D. RAID 5 uses more parity drives than RAID 6.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 217

Which of the following BEST describes a benefit of RAID 0?

- A. High fault tolerance
- B. Ease of failure recovery
- C. High performance



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- D. No configuration

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 218

Which of the following RAID levels provides the HIGHEST fault tolerance possible?

- A. RAID 0
- B. RAID 5
- C. RAID 6
- D. RAID 10

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 219

Which of the following is BEST described as a storage system that can be connected to multiple servers through a fiber channel?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 220

Which of the following can be used to manage a servers BIOS remotely? (Select TWO).

- A. Remote desktop software
- B. Dedicated management card
- C. Telnet session
- D. IP KVM

E. VPN

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 221

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 222

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 223

When an administrator is troubleshooting a system, which of the following describes the NEXT course of action if a change does not solve the problem?

- A. Establish a new theory of probable cause.
- B. Reverse the change.
- C. Implement the next logical change.
- D. Perform a root cause analysis.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 224

Which of the following expansion cards should be installed into a server to provide fiber channel SAN connectivity?

- A. HBA
- B. USB
- C. UAC
- D. NIC

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 225

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 226

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 227

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 228

Users report that they are unable to connect to a server. An administrator confirms that it is unreachable across the network. Other administrators have been working in the server room throughout the day. Which of the following is the NEXT step the administrator should take?

- A. Verify the configuration of the connected port on the network switch.
- B. Reboot the server.
- C. Install a new NIC on the server.
- D. Verify that network cables are connected.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 229

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 230

Which of the following expansion cards should be installed in a server to allow the server to connect to a SAN via a fiber channel?

- A. SATA
- B. iSCSI
- C. SCSI
- D. HBA

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 231

Which of the following is the MOST important consideration before making a change to a server?

- A. Explore the ramification of the change before implementation.
- B. Determine the service level agreement in place before implementation.
- C. Review the equipment disposal procedures and policies before implementation.
- D. Notify all staff members of the planned system outage before implementation.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 232

Which of the following would be the BEST configuration when using seven SCSI drives in order to have full fault tolerance?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 233

A company would like to upgrade an old server to a multi-processor box. The server currently has a single 3.0GHz 1Mb cache processor in it with a single empty

socket. The only processor that is available from a manufacturer is a 3.0GHz 2Mb cache model. Which of the following is the BEST reason why this upgrade will not work?

- A. The socket size does not match
- B. The cache is from a different manufacturer
- C. The processors do not match
- D. Processors cannot be upgraded after server has been deployed

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

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 237

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 238

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 239

For client computers to access the Internet when using DHCP, the DHCP server must have configurations for at LEAST which of the following? (Select TWO).

- A. Gateway address
- B. SNA server
- C. Mail server
- D. Web server
- E. Subnet mask

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 240

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 241

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 242

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 room.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 243

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 online.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 244

An administrator has been given a CIDR/22 IP address block and needs to assign addresses to a multiple of virtual workstations. Which of the following servers will MOST likely perform this task?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 245

A technician needs to replace a hot swap cooling fan in a server. The server resides at U26 of a 42U rack that is fully populated with servers. The technician is unable to remove the server from the rack without powering off the server first. Which of the following should have been installed at the time the server was installed in the rack?

- A. A UPS

- B. Cable management arms
- C. Server rail kits
- D. Management modules

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:



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