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SK0-004

CompTIA Server+

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Exam A

QUESTION 1

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



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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

A blade server chassis has two power supplies. Which of the following is a benefit of a technician connecting each power supply to a separate UPS unit?

- A. Quality of service
- B. Fault tolerance
- C. Traffic shaping
- D. Load balancing

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

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A technician is asked to install an additional NIC in a server. Which of the following hardware considerations would be BEST for the technician to make?

- A. Power consumption
- B. Bus type and speed
- C. CPU stepping
- D. CAS latency

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

A server technician is replacing a web server in an organization. The new server has two integrated NICs. Which of the following describes how the NICs should be configured for fault protection?

- A. The NICs should be configured separately with one MAC address.
- B. The NICs should be placed into a team with one MAC address.
- C. The NICs should be configured separately with two MAC addresses.
- D. The NICs should be placed into a team with two MAC addresses.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

A server administrator is implementing disk redundancy in all database servers. Which of the following RAID configurations should the administrator use so that a MINIMUM number of disks are required?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

A server administrator is configuring a new server for an organization. The server will function as a firewall and proxy server, as well as provide NAT services for other devices on the network. Which of the following BEST describes how the network hardware on the server should be configured?

- A. The server should have at least two NICs: one configured with an IP address on the inside network, and one with an IP address on the outside network.
- B. The server should have at least two NICs: each NIC should be configured with an IP address on the same network segment.
- C. The server requires only one NIC, as the NIC can be configured with two IP addresses: one for the inside network segment, and one for the outside network segment.
- D. The server requires at least three NICs: one configured with an IP address for the intranet clients, one with an IP address on the inside network, and one with an IP address on the outside network.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

Which of the following is the MOST redundant power solution?

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

An administrator is tasked with deploying a server in a telephone switching station. Which of the following voltages will MOST likely be available at the facility?

- A. -48VDC
- B. 120VDC
- C. 220VAC
- D. 440VAC

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9

A technician is installing an operating system on a server using source files on a USB storage device. The technician is unable to boot to the USB device using different USB ports on the server. Which of the following should the technician do to ensure that the operating system can be installed from the USB storage?

- A. Copy the source files to a CD
- B. Install the latest USB device drivers
- C. Reconfigure the boot order
- D. Update the BIOS firmware

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

The IT director instructed the systems administrator to build a server to support the accounting department's file growth. The IT director requested that the accounting users have the ability to encrypt their files; however, the accounting users have reported the inability to encrypt their files. Which of the following file system types is MOST likely causing this issue?

- A. QFS
- B. ZFS

- C. FAT32
- D. CIFS
- E. ext4

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

Which of the following is the purpose of an NTP server?



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- A. For hosting instant messaging applications
- B. For synchronizing clocks on network devices
- C. For file sharing and collaboration
- D. For hosting newsgroups

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12

An administrator wishes to use KVM remotely to monitor and control a server farm. In order to perform this function:

- A. remote control must be disabled on each server.
- B. the host must be reachable via the IP address.
- C. a serial cable must be available.

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D. a monitor must be attached to every server.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

An administrator needs to reconfigure a Linux server's operating system. Which of the following tools can the administrator use to access a command shell over the network? (Select TWO).

- A. Connect with SSH
- B. Connect with RDP
- C. Connect with VNC
- D. Connect with BASH
- E. Connect with FTP

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

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 15

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 16

Which of the following is a benefit of utilizing a type 2 hypervisor to manage guests?

- A. The administration of the guest OS is significantly less complex.
- B. There is reduced resource overhead since there is no OS layer.
- C. A type 2 hypervisor offers increased performance over a type 1 hypervisor.
- D. There is increased hardware support since there is an OS layer.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

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 18

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 19

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 20

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?



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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

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

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

Correct Answer: C

Section: (none)

Explanation

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Explanation/Reference:

QUESTION 22

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

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 24

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 25

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 26

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 27

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 28

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 29

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 30

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33

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 34

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 35

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 36

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?



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- 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 37

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 38

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?

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- 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 39

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 40

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 41**

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?

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

Correct Answer: A

Section: (none)

Explanation**Explanation/Reference:****QUESTION 42**

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 43**

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 44

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 45

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 46

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 47

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

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49

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

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50

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

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 51

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 52

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

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 53

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

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

Correct Answer: BCD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 54

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 55

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 56

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 57

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 58

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 59

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 60

Which of the following is a reason to have a remote cold site readily available in case of a disaster in the primary datacenter?

- A. It provides a company with a redundant location that mirrors the primary datacenter hardware but requires no data restoration.
- B. It provides a company with a backup location to install the necessary equipment to restore critical services.
- C. It provides a company with a backup location equipped with resources necessary for immediate restoration of critical services.
- D. It provides a company with a redundant location that mirrors the primary datacenter hardware and data.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 61

A server in a small company functions as a print server. Suddenly it stops sending print jobs to the printers. A technician verifies that the printers are working correctly. Additionally, the print spooler had been restarted and is running on the server, it is accessible from workstations, and it shows as being ready to accept print jobs. Which of the following has MOST likely caused the print server to stop processing print jobs?

- A. The print quota has been exceeded.
- B. The server needs an updated print driver.
- C. The server needs pooling enabled.
- D. The server's hard drive is out of space.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 62

A mission critical server has faulted with a dead 66 MHz 3.3V PCI-X network interface card. The system administrator has been directed to get the server functional as soon as possible, even if it is connected with less bandwidth. There are no onsite spare cards available and the vendor does not expect to have the parts for at least a week. Which of the following immediately available NICs could be substituted instead?

- A. 33 MHz 3.3V PCI
- B. 66 MHz 5V PCI

- C. 266 MHzx 3.3V PCI-X
- D. 533 MHz 5V PCI-X

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 63

Which of the following is the MOST energy efficient way of powering equipment within a datacenter with a large UPS battery bank?



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- A. 48V DC
- B. 120V single-phase
- C. 240VAC 3-phase
- D. 480V 3-phase

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 64

A server is giving a fault code indicating that a RAM chip is producing errors and should be replaced. According to best practices, which of the following is the proper sequence of steps to replace the faulty module?

- A. Attach ESD protection, open server case, replace module, close server case, baseline configuration
- B. Open server case, baseline configuration, attach ESD protection, replace module, close server case
- C. Attach ESD protection, baseline configuration, open server case, replace module, close server case
- D. Open server case, replace module, attach ESD protection, close server case, baseline configuration

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Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 65

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 66

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 67

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 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

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 74

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 75

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 76

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

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

Correct Answer: B

Section: (none)

Explanation**Explanation/Reference:****QUESTION 77**

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 78**

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 79**

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 80

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 81

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 82

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 83

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 84

A host server in a small business environment does not have virtual switching configured. The NIC on a guest is configured with an IP address that is on a different subnet from the host server. Which of the following would MOST likely happen in this case?

- A. The guest will not have network access to the host or network resources.
- B. The guest would have access to all network resources.
- C. The guest would have network access to everything but the host.
- D. The guest will have network access to the host server.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 85

A system administrator has a database server that crashes at random times. No changes have been made to either the server's software or hardware. Which of the following is the FIRST step the administrator should take towards resolving this issue?

- A. Establish an action plan.
- B. Perform a root cause analysis.
- C. Document the findings.
- D. Identify the problem and scope.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 86

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 87

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

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 88

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



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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 89

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

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 90

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 91

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 92

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 93

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 94

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 95

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 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

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 98

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

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

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 99

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 100

A 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 101

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 102

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 103

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 104

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 105

A new file server is added to an existing network. Some users are able to connect to this server, while others are not. A partial network configuration on the server shows the following:

Link local: fe80::3000:aff:dea6:f8c/64

Which of the following BEST explains why some users cannot connect to the server?

- A. The users' workstations are configured to use DHCP.
- B. The users' workstations do not support IPv6.
- C. The users' workstations are not on the same network as the server.
- D. The user's workstations are configured with an incorrect subnet mask.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 106

A server administrator is bringing a new host online. After the initial OS installation and configuration, the administrator is unable to reach hosts on another subnet. The administrator is able to ping and access other hosts on the same subnet. Which of the following should the administrator check FIRST?

- A. Default gateway
- B. Netmask
- C. DNS A (AAAA) record
- D. DNS reverse lookup entry

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 107

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

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 108

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 109

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

- A. warm site.
- B. hot site.
- C. cold site.
- D. private cloud.
- E. hybrid cloud.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 110

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 111

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 112

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 113

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 114

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 115

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 116

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 117

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



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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 118

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

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Explanation/Reference:

QUESTION 119

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 120

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 121

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 122

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

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 123

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

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

Correct Answer: A

Section: (none)

Explanation**Explanation/Reference:****QUESTION 124**

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

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

Correct Answer: A

Section: (none)

Explanation**Explanation/Reference:****QUESTION 125**

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

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

Correct Answer: A

Section: (none)

Explanation**Explanation/Reference:****QUESTION 126**

An administrator needs to deploy 1,000 servers in a short period of time. Which of the following deployment methods will expedite the OS installations?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 127

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 128

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

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 129

A technician is backing up 10GB of data on a file server to a 250GB external USB hard drive. After 4GB has been backed up, the software generates an error that the size of the backup exceeds the file limit. Which of the following file system types is being used?

- A. FAT32
- B. NTFS
- C. VMFS
- D. ZFS

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 130

A technician is having problems sending a notification from a server. The technician suspects the firewall may be blocking traffic. Which of the following clients can be used to confirm the technician's suspicions?

- A. traceroute
- B. sendmail
- C. nslookup
- D. telnet

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 131

A technician installs a rack in a datacenter. The rack has two power strips installed in it. To ensure maximum power redundancy for the rack, how should each PDU power strip be connected?

- A. Each to the same floor PDU
- B. Each to different floor PDUs
- C. Each to the same datacenter UPS
- D. Each to a different datacenter UPS

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 132

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

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 133

Which of the following RAID configurations consists of mirrored disks?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 134

Which of the following describes a root cause analysis?

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 135

An administrator is using IPv4 on all servers. If a new technician installs only IPv6 on a workstation, which of the following servers will the workstation be able to access?

- A. DHCP server
- B. Domain controller
- C. No servers
- D. DNS server

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 136

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 137

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 138

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 139

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 140

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 141

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 142

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 143

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 144

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 145

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 146

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 147

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 148

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 149

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 150

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 151

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 152

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 153

While reviewing a network connectivity issue to a Linux server, the systems administrator issues the `ifconfig` command with the following results:

```
eth0 Link encap:EthernetHWaddr00:30:48:9D:06:73  
    Inetaddr:192.168.0.100Bcast:192.168.0.255Mask:255.  
    255.255.0  
    BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
```

According to the output above, which of the following is the problem?

- A. The adapter is in "BROADCAST" mode
- B. The adapter is not in an "UP" state
- C. The broadcast address is incorrect
- D. The netmask is incorrectly configured

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 154

Which of the following MUST be configured to automate client deployment over PXE boot? (Choose two.)



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- A. DNS PTR record
- B. Domain controller name
- C. TFTP server
- D. DHCP option 66
- E. Web server with OS images

Correct Answer: CD

Section: (none)

Explanation

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Explanation/Reference:

QUESTION 155

A systems administrator is unable to back up user files. Which of the following is the BEST explanation for this issue?

- A. The files are currently open
- B. The files have been copied
- C. The files have been modified
- D. The files are compressed

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 156

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 157

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 158

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 159

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

- A. RDP
- B. SSH
- C. DNS
- D. LDAP
- E. Bash
- F. ping

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 160

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 161

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 162

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 163

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 164

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 165

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 166

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 167

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 168

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 169

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 170

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 171

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 172

A technician is configuring a new server on the network. The technician wants the server to be a default gateway for network devices. Which of the following should the technician use to BEST provide the server with the proper IP address?

- A. A static IP address outside of the DHCP scope
- B. A static IP address with a scope reservation
- C. A dynamic IP address assigned by the DHCP server
- D. An IP address that can be publicly routed

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 173

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 174

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

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

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 175

An administrator is decommissioning a company's old accounting system and will be sending all the hardware to an off-site recycler. Which of the following is the BEST method for the administrator to ensure no company data will be exposed before sending drives to the recycler?

- A. Delete both the files and the folders from the hard drives, and then send them to the recycler
- B. After logging out and powering down the server, send the drives to the recycler
- C. Format all drives using the OS, and then send the drives to the recycler
- D. Physically destroy the drives, and then send the drives to the recycler

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 176

Highly classified data is being shared on a company network. The systems administrator needs to ensure the data is safe and only necessary personnel can access it. Which of the following protocols would be BEST to use for this type of data to be shared?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 177

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

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 178

Which of the following default port numbers need to be open on a firewall for a mail server to successfully send and receive mail? (Choose three.)

- A. 22
- B. 25
- C. 53
- D. 80
- E. 110
- F. 143
- G. 161

Correct Answer: BEF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 179

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 180

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

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 181

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

- A. Free enough disk space to hold the largest file's uncompressed size

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 182

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 183

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

- A. 255.248.0.0
- B. 255.255.128.0
- C. 255.255.248.0
- D. 255.255.255.248

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 184

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

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

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 185

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

Which of the following should the administrator do FIRST?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 186

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

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

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

Correct Answer: ABD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 187

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 188

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 189

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 190

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 191

An administrator receives a call from a user who is unable to receive email. After checking the workstation and email settings the administrator is still not able to determine the problem. Which of the following is the NEXT step that the administrator should take?



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- A. Create an action plan.
- B. Escalate the issue.
- C. Reboot the mail server.
- D. Document the solution.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 192

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:

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QUESTION 193

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

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 194

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

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 195

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 196

Which of the following BEST describes RAID 10?

- A. Mirroring with striping
- B. Mirroring with fault tolerance
- C. Striping
- D. Striping with distributed parity

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 197

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

- A. High fault tolerance
- B. Ease of failure recovery
- C. High performance
- D. No configuration

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 198

Which of the following BEST describes RAID 5?

- A. Fault tolerance and failure recovery
- B. Fault tolerance and zero configuration
- C. Zero configuration and high performance
- D. High performance and fault tolerance

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 199

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 200

Which of the following is a storage system that can be connected to multiple servers through an iSCSI connection?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 201

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 202

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 203

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 204

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

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 205

Which of the following expansion slots is 64-bit?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 206

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

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 207

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 208

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

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 209

Which of the following settings is the jumper set to when installing a DVD-RW as the second device on an IDE cable?

- A. ID0
- B. ID2
- C. Cable select
- D. Master

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 210

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

Which of the following should the administrator verify?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 211

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 212

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

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 213

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

this server is connected to.

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

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

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 214

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 215

Which of the following is an SLA?

- A. A document stating the impact analysis of a nonfunctional server.

- B. A contract that details the device replacement time frames.
- C. A contract that details the correct equipment disposal laws.
- D. A statement of compliance with local laws and regulations.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 216

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 217

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 218

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

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

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 219

Which of the following concepts is described as multiple logical subnets traversing the same physical network?

- A. DHCP
- B. VLANs
- C. DMZ
- D. VPNs

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 220

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 221

An administrator attempts to install the latest security patches for an older server. When the administrator runs the patch installer, the install fails. The administrator tries again, and the installer fails again. Which of the following is the MOST likely reason for this?

- A. The administrator improperly configured the virtual memory settings on the server.
- B. The administrator is using incorrect patch switches for the install.
- C. The administrator is trying to install security patches for software that is not installed.
- D. The administrator is trying to install patches that require hard drive encryption on the server.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 222

An administrator has encountered a problem with a particular piece of software installed on the server and begins the troubleshooting process. Which of the following is the FIRST place the administrator should look for specific information about the problem?

- A. The supporting documentation
- B. The vendors website
- C. The Internet
- D. The servers event logs

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 223

Which of the following ports does a telnet application utilize?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 224

Which of the following is the MOST common problem that occurs in server rooms?



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- A. Excessive cooling
- B. Dust buildup
- C. Poor ground wires
- D. Wet floors

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 225

Which of the following is an environmental server maintenance task that should be performed every three months?

- A. Replace the rubber mats in the server room
- B. Clean the servers to limit dust buildup
- C. Wash the outside of the servers
- D. Replace the server fans

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 226

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

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 227

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

- A. Configure netsh settings in case of backup
- B. Restart the server

- C. Notify users
- D. Uninstall TCP/IP

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 228

Which of the following RAID arrays performs mirroring of the disks first, then striping of the disks?

- A. RAID 1
- B. RAID 0+1
- C. RAID 6
- D. RAID 10

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 229

Which of the following is the BEST place to find the latest BIOS upgrade of the server system board?

- A. Third-party vendor
- B. BIOS manufacture website
- C. Operating system manufacture website
- D. Servers manufacture website

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 230

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 231

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 232

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 233

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 234

An administrator is planning an upgrade of a major software package on an application server.

The software has been tested successfully in a test environment and it is ready to go into production. Which of the following steps should the administrator take next?

- A. Identify necessary operating system updates
- B. Implement the change
- C. Document the change
- D. Schedule system down time

Correct Answer: D

Section: (none)

Explanation**Explanation/Reference:****QUESTION 235**

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 236**

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 237**

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 238

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 239

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

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

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 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

A technician wants to increase the reliability of a DHCP server. Which of the following components should be installed to increase the server's uptime on the network?

- A. Increase the amount of RAM
- B. Use a lower voltage power supply
- C. Add a hardware firewall
- D. Install redundant NICs

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 242

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 243

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

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 244

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

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 245

A technician is responsible for overseeing twelve remote offices. There was a report of a power outage at one of the remote offices the night before, and now one of the servers there has not rebooted even though it was shut down gracefully. The technician was forced to travel two hours just to turn the server on. Which of the following is the MOST cost effective way to prevent future travel?

- A. Install a generator onsite.
- B. Install a remote management card in the server.
- C. Install an uninterruptible power supply (UPS) onsite.
- D. Move the server to the main office.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 246

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

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

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 247

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 248

An administrator confirmed that the company's public website keeps presenting a certificate warning asking whether this site should be trusted when accessing it over HTTPS.

Which of the following is the MOST likely cause for this issue?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 249

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

- A. Something you have

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 250

A server administrator suspects that an unauthorized email relay agent is running on a web server. The web server has a hostname of web1.example.com and an IP address of 199.90.89.51.

Which of the following commands should the server administrator execute to verify these suspicions?

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 251

An administrator is configuring a server for remote access. The administrator wants to be able to power on a server from a remote location.

Which of the following needs to be configured on the server to accomplish this task?

- A. Configure ILO/iDRAC on the server.
- B. Configure VPN access on the server.
- C. Configure the serial connection.
- D. Configure the boot sequence.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 252

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 253

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

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 254

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 255

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 256

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

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

D. /etc/group_membership file

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 257

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 258

An administrator is deploying 1000 new servers in a datacenter. A vendor will install the servers on racks and connect cables. Which of the following technologies would BEST for the administrator to use to install operating systems to all 1000 servers in the shortest time possible? (Select two.)

- A. SFTP
- B. TFTP
- C. PXE
- D. UDP
- E. USB
- F. DVD

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 259

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

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 260

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



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