

## SK0-004.exam

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**SK0-004**

**CompTIA Server+**



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## Exam A

### QUESTION 1

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 2

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 3**

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 4**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 5**

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 6**

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

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

**Correct Answer:** ACD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 7**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 8**

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

Network Address: 199.90.10.32/28

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 9**

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

Month 1 = 50GB

Month 2 = 65GB

Month 3 = 80GB

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 10**

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 11**

An administrator has been tasked with consolidating six individual servers into one blade enclosure. The administrator completed the task successfully. A week later, all of the blades would not boot properly. Which of the following would MOST likely be causing this issue?

- A. The blade servers are faulty.
- B. The network module on the blade enclosure is faulty.
- C. The backplane of the enclosure is faulty.
- D. The management modules in the enclosure are faulty.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 12**

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

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

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 13**

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

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

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 14**

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 15**

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

in the slots. Which of the following is the cause of this issue?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 16**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 17**

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

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

**Correct Answer:** A

**Section:** (none)



**Explanation****Explanation/Reference:****QUESTION 18**

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation****Explanation/Reference:****QUESTION 19**

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation****Explanation/Reference:****QUESTION 20**

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

- A. File server

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 21**

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

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

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 22**

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

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

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 23**

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 24**

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 25**

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 26**

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

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

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 27**

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 28**

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

- A. The server's warranty information.
- B. The server's life cycle schedule.
- C. The asset management database.
- D. The software licensing agreement.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 29**

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 30**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 31**

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 32**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### **QUESTION 33**

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

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

**Correct Answer:** E

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### **QUESTION 34**

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

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

**Correct Answer:** A

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 35**

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

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 36**

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 37**

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



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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### **QUESTION 38**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### **QUESTION 39**

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 40**

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

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

**Correct Answer: C**

**Section: (none)**

## **Explanation**

### **Explanation/Reference:**

#### **QUESTION 41**

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

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

**Correct Answer: AB**

**Section: (none)**

## **Explanation**

### **Explanation/Reference:**

#### **QUESTION 42**

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 43**

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 44**

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

- A. MAC

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 45**

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 46**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 47**

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 48**

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 49**

A server technician is updating the operating system on a server. Currently, the server is running the following services:  
DHCP

WINS  
DNS  
HTTP

The updated server will be used to allow clients to access Web services, resolve host names to IP addresses for mobile iOS clients, and provide network access to thin clients running a Linux operating system. Which of the following services can be removed?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 50**

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 51**

Which of the following services provides users with directory services?

- A. IMAP
- B. LDAP

- C. SFTP
- D. DHCP
- E. DNS

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 52**

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

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

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 53**

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 54**

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 55**

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 56**

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

- A. Server to client



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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 57**

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 58**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 59**

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

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

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 60**

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 61**

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 62**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 63**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 64**

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 65**

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

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

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 66**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 67**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 68**

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 69**

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 70**

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

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

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 71**

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

<https://www.gratisexam.com/>

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/sdb1 -d /data/drive0
- B. ext2 0x0009f31a /data/drive0
- C. net use /data/drive0 /dev/sdb
- D. mount /dev/sdb1 /data/drive0
- E. fdisk -l /data/drive0

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

## QUESTION 72

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 73**

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

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

**Correct Answer:** BF

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 74**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 75**

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



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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 76**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 77**

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

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

**Correct Answer:** A

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 78**

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 79**

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

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

**Correct Answer: AB**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 80**

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 81**

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 82**

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 83**

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

A. rwxrwxrwx (777)

B. rwxrwx-w- (772)

C. rwxrwxr-x (775)

D. rwxrwx-x (771)

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 84**

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 85**

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 86**

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 87**

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 88**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 89**

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 90**

The Unified Extensible Firmware Interface (UEFI) allows:

- A. the ability to boot from larger than 2GB disks.
- B. CPU-dependent architecture and drivers.
- C. a non-modular design.
- D. no network capability in the current release.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 91**

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 92**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 93**

An administrator has been tasked with making recommendations for purchasing disks that will support a transactional database where performance is of greatest concern and budget is secondary. Which the following disk types should the administrator recommend?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 94**

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 95**

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 96**

An administrator needs to run five CAT6 cable runs to a new server. Which of the following steps should the administrator do FIRST?

- A. Install the cables into cable trays.
- B. Verify the bend radius of the cables.
- C. Bundle the cables with velcro or zip ties.
- D. Label both ends of the cables with unique identifiers.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 97**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 98**

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 99**

Joe, a system administrator, is replacing an aging print server. Once he reached the step to join the new server to the existing domain, he kept getting an error and could not complete the step successfully. Which of the following did Joe forget to do?

- A. He did not recreate the printer on the new print server.
- B. He did not migrate the print server database.
- C. He did not restore a full backup of the old print server.
- D. He did not properly configure the network settings.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 100**

A secondary office location containing servers already configured with all necessary software and files to minimize downtime is considered to be which of the following types of disaster recovery sites?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 101**

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 102**

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 103**

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 104**

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 105**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 106**

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 107**

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 108**

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 109**

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

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 110**

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

error message?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 111**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 112**

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 113**

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 114**

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 115**



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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 116**

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 117**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 118**

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

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

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 119**

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

- A. 4
- B. 5
- C. 6
- D. 7

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 120**

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 121**

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

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

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 122**

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 123**

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 124**

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

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

**Correct Answer:** AB  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 125**

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 126**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 127**

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 128**

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 129**

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 130**

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 131**

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

- A. ping
- B. tracert
- C. netstat
- D. route

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 132**

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

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

**Correct Answer:** C

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 133**

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

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 134**

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

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

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 135**

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 136**

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 137**

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 138**

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 139**

Which of the following ports should be open on a server that provides IP addressing for clients?

- A. TCP 22
- B. TCP 25
- C. UDP 53
- D. UDP 67

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 140**

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

<https://www.gratisexam.com/>

```
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 141**

A manager has noticed that the staff of administrators spends a lot of time running power cords and network cables when installing new servers. The manager would like to reduce the amount of time administrators spend doing the power and network cabling. Which of the following will BEST allow staff to reduce that time?

- A. Mainframe
- B. Tower
- C. 2U rackmount server
- D. Blade server

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 142**

Which of the following ports should be open if a server is configured as an email server with high security for incoming connections? (Choose two.)

- A. TCP 110
- B. TCP 143
- C. TCP 161
- D. TCP 993
- E. TCP 995

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 143**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 144**

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

- 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**

**Explanation/Reference:**

**QUESTION 145**

The purpose of Active Directory Federation Services (AD FS) is to:

- A. replace Active Directory Domain Services (AD DS) as a domain management tool in Windows Server 2013
- B. complement authentication and access management features of AD DS
- C. complement authentication and access management features of Active Directory Rights Management Services (AD RMS)
- D. replace Active Directory Certificate Services (AD CS) in Windows Server 2013

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 146**

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 147**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 148**

A server technician is applying a security patch to an active-passive failover SQL cluster. However, the cluster must continue to service clients during the process with limited outages. Given this scenario, which of the following should the technician do to adhere to these maintenance requirements?

- A. Failover back to the original active node once the patching is complete
- B. Keep services failed over to passive node once patching is complete
- C. Move services to the active node and repeat for the passive node
- D. Patch the passive node, failover, and patch the other node

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 149**

An administrator is connecting a laptop to administer a switch using an Ethernet cable, which works on a PC to a wall jack. The switch is functioning, but the administrator is unable to establish a connection with the switch. Which of the following is MOST likely the issue?

- A. The switch is faulty
- B. The port is faulty
- C. The cable is a rollover cable
- D. The cable is a straight-through cable

**Correct Answer:** B

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 150**

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

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

**Correct Answer: B**

**Section: (none)**

**Explanation****Explanation/Reference:****QUESTION 151**

DRAG DROP

Match each port number with its appropriate protocol name.

**Select and Place:**

**Port Number**

989

22

68

53

389

**Protocol**

DNS

DHCP

LDAP

FTPS

SSH

**Correct Answer:****Port Number****Protocol**

53

DNS

68

DHCP

389

LDAP

989

FTPS

22

SSH



**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 152**

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

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 153**

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 154**

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 155**

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 156**

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 157**

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 158**

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 159**

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 160**

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 161**

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 162**

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 163**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 164**

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 165**

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

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

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 166**

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

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 167**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 168**

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 169**

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 170**

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

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

**Correct Answer: BC**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 171**

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

- A. APIPA



- B. Dynamic
- C. Static
- D. Reserved

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 172**

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

- A. 1
- B. 2
- C. 3
- D. 4

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 173**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 174**

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 175**

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 176**

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 177**

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

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

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

#### **QUESTION 178**

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 179**

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 180**

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 181**

A SLA document:

- A. outlines expectations and requirements from a provider to a consumer
- B. contains information on specific hardware or software usage and behavior

- C. defines performance expectations under normal circumstances
- D. outlines expected movement of information between servers and services

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 182**

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

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

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 183**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 184**

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 185**

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

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

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 186**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 187**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 188**

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 189**

A datacenter systems administrator needs to install a new server within an existing rack. Which of the following components would the systems administrator need to physically install the server in the rack? (Choose two.)

- A. Rail kit
- B. Cable management
- C. UPS
- D. Network switch
- E. Fiber cables
- F. KVM

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 190**

A server administrator recently upgraded a three-year-old server by replacing the old CPU and memory with a new CPU and memory. After the upgrade, the server regularly generates CPU and memory errors; however, the server is working. The administrator has confirmed the new CPU and memory are not faulty. Which of the following is the MOST likely cause of this problem?

- A. Bad motherboard
- B. Outdated BIOS and firmware
- C. Outdated RAID controller
- D. Bad memory and CPU chipset

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 191**



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 192**

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 193**

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 194**

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 195**

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 196**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 197**

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 198**

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 199**

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 200**

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 201**

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 202**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 203**

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

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

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

- A. Check the backplane cabling.

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 204**

A user is unable to connect to the company's intranet server by FQDN, but can connect by IP address. Other users are not having a problem. An administrator verifies that the user can successfully ping the server by IP address and can properly resolve the FQDN using nslookup.

The problem is persisting after running ipconfig /flushdns.

Which of the following should the administrator do NEXT?

- A. Examine the lmhosts file.
- B. Flush the cache on the DNS server.
- C. Flush the cache on the WINS server.
- D. Examine the hosts file.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 205**

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 206**

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 207**

Which of the following can limit cabling mistakes?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 208**

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 209**

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 210**

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 211**

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 212**

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 213**

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 214**

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

- A. Setting up a custom community name
- B. Configuring the network to block traffic on port 161
- C. Configuring the Windows Firewall to block port 161
- D. Setting SNMP to read only on the devices
- E. Installing new MIBs

**Correct Answer: AD**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 215**

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

- A. Database server

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

**Correct Answer:** BEF

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 216**

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?

- 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 217**

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

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 218**

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

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 219**

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 220**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 221**

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

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

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 222**

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 223**

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 224**

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

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

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 225**

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 226**

Which of the following BEST describes RAID 1?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 227**

Which of the following BEST describes RAID 0?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 228**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 229**

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 230**

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 231**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 232**

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 233**

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 234**

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 235**

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

- A. Tower server
- B. Rack mount server

- C. Blade server
- D. Bare metal server

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 236**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 237**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 238**

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

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

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 239**

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 240**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 241**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 242**

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

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

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 243**

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 244**

Which of the following expansion slots would be BEST for a fiber network card?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 245**

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 246**

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 247**

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 248**

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 249**

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 250**

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 251**

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

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

**Correct Answer: B**

**Section: (none)**

### **Explanation**

### **Explanation/Reference:**

#### **QUESTION 252**

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

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

**Correct Answer: B**

**Section: (none)**

### **Explanation**

### **Explanation/Reference:**

#### **QUESTION 253**

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 254**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 255**

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 256**

Which of the following protocols would MOST likely be used in the establishment of an IPSec VPN tunnel?

- A. AES
- B. TKIP
- C. 802.1q
- D. ISAKMP

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 257**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 258**

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 259**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 260**

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 261**

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 262**

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 263**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 264**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 265**

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 266**

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 267**

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

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

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 268**

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 269**

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 270**

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 271**

Which of the following must be done to properly conduct testing of the data backup portion of a disaster recovery plan?

- A. Perform an integrity test of backup media.
- B. Verify data on backup media can be read.
- C. Verify that backups have occurred and were successful via the logs.
- D. Restore backed up data to a test server.

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 272**

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

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

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 273**

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 274**

Which of the following BEST describes server virtualization?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 275**

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 276**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 277**

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 278**

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

- A. Excessive cooling

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 279**

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 280**

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 281**

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 282**

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 283**

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 284**

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 285**

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 286**

A server has a single, half height, PCI-X 3.3v slot available. Which of the following cards can fit in this slot? (Select THREE).

- A. Half Height, Universally Keyed PCI card
- B. Full Height, 3.3v PCI-X card
- C. Half Height, x16 PCI Express Card
- D. Half Height, 3.3v PCI card
- E. Half Height, Universally Keyed PCI-X card
- F. Full Height, Universally Keyed PCI card
- G. Half Height, x8 PCI Express Card

**Correct Answer:** ADE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 287**

A company has a corporate office building that is used by 50 to 100 unique visitors each day for meetings. Users routinely report that they are unable to access the network with their laptops when visiting this location.

The help desk reports that these users are not getting IP addresses automatically assigned.

After an investigation, the server administrator has determined that the DHCP service is functioning, but a minimal number of addresses are available for lease.

The building is on its own class C subnet and has 250 addresses in the scope. Which of the following represents a long term solution to the problem?

- A. Manually delete address leases from DHCP.
- B. Create reservations in DHCP for users frequently visiting this location.
- C. Assign static IP addresses to visiting laptops.
- D. Reduce the lease duration in the DHCP scope options to one day.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 288**

An administrator notes that after a recent power outage, some open files were corrupted on one affected file server. Which of the following items should the administrator consider to determine the cause of this corruption?

- A. The servers memory
- B. The servers RAID controller battery
- C. The servers processor
- D. The servers NIC teaming configuration

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 289**

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

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

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 290**

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 291**

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

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

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 292**

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 293**

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 294**

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

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

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 295**

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

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 296**

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 297**

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

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

**Correct Answer:** C

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 298**

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

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

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 299**

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 300**

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 301**

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 302**

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 303**

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

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 304**

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 305**

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 306**

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 307**

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 308**

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 309**

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 310**

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

- A. the SCSI adapter.
- B. each device.
- C. the first device.



- D. the last device.
- E. the servers parallel port.

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### **QUESTION 311**

A company has recently upgraded all backup hardware and media from DLT IV to LTO3 tapes and tape drives. Several weeks after the upgrade, the development team discovers a corruption in one of the application servers and must restore from one of the DLT IV tapes. Which of the following steps are necessary for the server administrator to use these tapes?

- A. Reformat the DLT IV tape in LTO3 format. Load the tape.
- B. Install the DLT IV driver on the LTO3 drive. Load the tape.
- C. Load the DLT IV tape into the LTO3 drive.
- D. Replace the LTO3 drive with a DLT IV tape drive. Load the tape.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### **QUESTION 312**

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.



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- 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 313**

A technician has found that the uninterruptible power supply (UPS) connected to a server does not have sufficient battery power to allow the server to shutdown gracefully. Which of the following is the MOST cost effective way to allow this server to shutdown gracefully?

- A. Install a second UPS.
- B. Increase the size of the swapfile.
- C. Increase the size of the pagefile.
- D. Install an extended battery pack into the UPS.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### **QUESTION 314**

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

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 315**

When cabling a rack, which of the following is BEST practice?

- A. Use rack specific cabling hardware
- B. Let cables hang loosely behind the servers
- C. Channel all power cables down the sides, and all network cables down the center
- D. Keep cables close to the front of the rack for better access

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 316**

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 317**

Which of the following defines memory interleaving?

- A. The distribution of data written across all the memory DIMMs and the L1 cache

- B. The distribution of data written across all the memory DIMMs in one bank
- C. The distribution of data written across all the memory DIMMs and the processor
- D. The distribution of data written across all the memory DIMMs and the L2 cache

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 318**

A technician wants to compare a new servers performance over a period of time. Which of the following should the technician do FIRST?

- A. Monitor processor performance logs
- B. Constantly check the task manager
- C. Use performance server logs
- D. Establish a baseline for the server

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 319**

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 320**

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

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

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 321**

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 322**

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 323**

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 324**

An administrator needs to build a new virtualization host. The hypervisor should be able to directly access the server hardware and allow the host to provide maximum performance.

Which of the following types of hypervisors should the administrator install to BEST meet these goals?

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

D. Install a hybrid hypervisor.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 325**

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

Which of the following is the systems administrator MOST likely to do?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 326**

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 327**

An administrator has been given a CIDR/22 IP address block and needs to assign addresses to a multitude 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 328**

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

Which of the following is the MOST likely cause of the blade not powering up?

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 329**

A technician needs to replace a hot swap cooling fan in a server. The server resides at U26 of a 42U rack that is fully populated with servers. The technician is



unable to remove the server from the rack without powering off the server first. Which of the following should have been installed at the time the server was installed in the rack?

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 330**

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

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

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 331**

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 332**

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 333**

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

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

