



# SK0-003<sup>Q&As</sup>

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**QUESTION 1**

An administrator has been instructed to add four additional drives to a server configured with RAID 5. The server is using 146GB drives for the data. Without changing the configuration, how much additional data space would be available if the administrator purchased 300GB drives and added them to the existing array?

- A. 438GB
- B. 584GB
- C. 900GB
- D. 1200GB

Correct Answer: B

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**QUESTION 2**

Which of the following prerequisites should be met before adding a processor to a server? (Select TWO).

- A. Ensure the operating system supports multiple processors
- B. Ensure both processors have the same step codes
- C. Ensure both processors support NUMA
- D. Ensure all processes running on the server support multiple processors
- E. Ensure the OS is not using a SMP kernel

Correct Answer: AB

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**QUESTION 3**

The company has purchased one hundred and fifty new servers. The server administrator needs to build and deploy them as quickly as possible. Which of the following is the FASTEST method of building and deploying each server?

- A. Build each server from the OS manufacturer's build disk.
- B. Use an imaging system to manually deploy the build to the servers.
- C. Build each server with the manufacturer's build disk.
- D. Give the company build disk to the server manufacturer.

Correct Answer: D

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**QUESTION 4**



An administrator installs new IDE drives into the company server. Upon starting the machine, the BIOS does not recognize any of the drives. Which of the following is the MOST likely cause of the problem?

- A. The jumpers are not set correctly on the drives.
- B. The power supply is not rated high enough to support the additional drives.
- C. The BIOS is not compatible with the drives.
- D. The drives are not powered on.

Correct Answer: A

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#### QUESTION 5

A technician is setting up RAID technology for a server-based video editing system. The technician is not concerned about fault tolerance but needs a low cost and high speed system. Which of the following RAID levels should the technician implement?

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

Correct Answer: A

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#### QUESTION 6

A technician is building a Windows 2008 server and has installed a motherboard, processor, and power supply. Which of the following optical drives should the technician install?

- A. Flash Drive
- B. DVD-RW
- C. CD-ROM
- D. SSD

Correct Answer: B

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#### QUESTION 7

Which of the following allows multiple server systems to be connected by a backplane?

- A. Blade form factor
- B. Rack form factor



- C. ATX form factor
- D. Tower form factor

Correct Answer: A

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#### QUESTION 8

Which of the following should be done FIRST when troubleshooting a problem?

- A. Test the theory to determine the cause
- B. Perform a root cause analysis
- C. Establish a plan of action
- D. Document outcomes

Correct Answer: A

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#### QUESTION 9

A company is looking to improve upon their current remote management capabilities. The company must ensure that access is removed from all systems when a user is terminated and that administrators can remotely manage a system's BIOS. Which of the following remote management systems would support both these requirements?

- A. Remote management card
- B. Terminal services
- C. Remote desktop
- D. LDAP enabled IP KVM

Correct Answer: D

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#### QUESTION 10

A tape library with LTO2 drives can hold 30 tapes. Which of the following is the approximate maximum native backup storage of the tape library?

- A. 6TB
- B. 6MB
- C. 6PB
- D. 6GB

Correct Answer: A

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**QUESTION 11**

Which of the following memory features will allow a server to correct up to 4-bit memory errors?

- A. ECC
- B. Registered
- C. Chipkill
- D. Parity

Correct Answer: C

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**QUESTION 12**

An administrator has figured out a possible cause to a problem. Which of the following is the NEXT step the administrator should take?

- A. Implement the solution.
- B. Verify full system functionality.
- C. Establish a plan of action to identify the problem.
- D. Test the theory.

Correct Answer: D

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**QUESTION 13**

An administrator has set up web-based software that is able to be administered remotely. The website works fine on the local server, the site is not available when accessed from a remote PC. Which of the following is the cause?

- A. Failed driver
- B. Software Firewall
- C. User Account Control
- D. The web service is not started

Correct Answer: B

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**QUESTION 14**

An administrator is adding an additional 1GB of memory into a server. The administrator notices that the system has 2GB of memory physically already installed; however, the server only shows 1GB of memory during POST. Which of the following is the MOST likely reason for this?



- A. The OS does not support more than 1GB of memory.
- B. The system memory has different manufacture dates.
- C. Two of the memory sticks are defective.
- D. The server is using memory interleaving.

Correct Answer: C

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#### QUESTION 15

Which of the following is the MOST secure and efficient way to dispose of rewritable DVD media containing sensitive information?

- A. Media should be erased
- B. Media should be shredded
- C. Media should be exposed to UV
- D. Media should be formatted

Correct Answer: B

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#### QUESTION 16

When laying out a new server room, which of the following can a technician do to help ensure the proper cooling of rack mounted equipment?

- A. Place all heat generating equipment together
- B. Use small walkways to increase the air velocity
- C. Place front of the racks adjacent to air conditioning vents
- D. Ensure that equipment is tightly packed to assist air flow

Correct Answer: C

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#### QUESTION 17

Which of the following types of interfaces requires a terminator?

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



Correct Answer: D

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#### QUESTION 18

Which of the following is a public IP address?

- A. 172.31.254.40
- B. 10.100.11.1
- C. 192.168.100.1
- D. 172.15.16.76

Correct Answer: D

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#### QUESTION 19

Which of the following installation methods MUST use the TCP/IP protocol to deploy systems?

- A. IMAGEX
- B. Virtualization template
- C. Ghost
- D. WDS

Correct Answer: D

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#### QUESTION 20

Before installing a new device, a technician checks to make sure the device is on the HCL. Which of the following is the advantage of having an HCL device?

- A. It is supported by other vendors
- B. Increases performance
- C. Decreases cost
- D. Meets vendor standards

Correct Answer: D

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#### QUESTION 21

Which of the following RAID levels has high read performance and only allows data to be written to half the available physical hard drive space?



A. 0

B. 1

C. 5

D. 6

Correct Answer: B

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#### QUESTION 22

A user is receiving an error about not having enough virtual memory. A technician wants to manually set the amount of available virtual memory for the computer. At a MINIMUM, the technician should set the virtual memory to be which of the following?

A. 0.5 times the amount of physical memory

B. 1.5 times the amount of physical memory

C. 2 times the amount of physical memory

D. Equal to the amount of physical memory

Correct Answer: B

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#### QUESTION 23

Which of the following storage interface protocols has the FASTEST speeds?

A. Ultra2 SCSI

B. SATA

C. Ultra320 SCSI

D. SAS

Correct Answer: D

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#### QUESTION 24

The failure of which of the following components can cause a server to display a POST error message?

A. Parallel HASP key

B. DVD driver

C. Memory

D. Chassis LED





Correct Answer: C

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#### QUESTION 25

When building a computer with a 32 bit processor, which of the following is the MAXIMUM amount of memory supported?

- A. 1GB
- B. 2GB
- C. 4GB
- D. 8GB

Correct Answer: C

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#### QUESTION 26

Which of the following is the MOST likely to cause a server power supply fan to fail but allows the power supply to still be functional?

- A. Dust
- B. Power Surge
- C. Excessive humidity
- D. High temperatures

Correct Answer: A

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#### QUESTION 27

Which of the following is the MOST critical environmental consideration when determining the location of a server?

- A. Ease of physical access
- B. Cable management
- C. Height from the floor
- D. Temperature of the room

Correct Answer: D

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#### QUESTION 28

Which of the following server roles sends out a time signal for clients to synchronize with a clock?



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

Correct Answer: B

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#### QUESTION 29

A KVM system may connect which of the following? (Select THREE).

- A. PS/2 mouse
- B. USB mouse
- C. SVGA display
- D. NIC
- E. USB memory stick
- F. HBA card

Correct Answer: ABC

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#### QUESTION 30

When installing a server in a rack, which of the following locations describes where in the rack a server should be installed?

- A. On the very bottom U of the rack, with the UPS above the server
- B. In the middle of the rack to help balance the rack
- C. Closest to the bottom of the rack, above heavier equipment
- D. On the very top U of the rack, with the UPS directly below it

Correct Answer: C

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#### QUESTION 31

Users report slow performance when saving files on a server with a RAID 5 array, but not when reading files from that server. Which of the following is the MOST likely cause?

- A. Mismatched drives
- B. Bad sectors



- C. Cache battery failure
- D. Disk drive failure

Correct Answer: C

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### QUESTION 32

A Windows server's backup jobs keep failing with an error message stating that the source drive is not available. After reviewing the logs, which of the following should a technician do FIRST to troubleshoot this issue?

- A. Verify the backup media has enough storage space for the backup job
- B. Verify the volume shadow copy service is running
- C. Close all terminal services sessions on the server
- D. Reboot the Windows server and re-run the backup job

Correct Answer: B

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### QUESTION 33

Which of the following features should a technician consider when purchasing a KVM switch for a datacenter?

- A. PCI slots available
- B. Scalability and flexibility
- C. Number of analog modems provided
- D. Number of video conference devices connected

Correct Answer: B

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### QUESTION 34

Which of the following is the BEST way to allow web software through the server firewall?

- A. Implement an application exception.
- B. Implement an access control list (ACL).
- C. Open the corporate firewall to allow port 80.
- D. Implement port blocking on port 80.

Correct Answer: A

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**QUESTION 35**

Which of the following chassis types makes the BEST use of space for performance?

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

Correct Answer: D

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**QUESTION 36**

Multicore can be described as which of the following?

- A. Multiple processors dedicated for individual tasks.
- B. Multiple cores on a single die.
- C. Multiple cores on multiple dies.
- D. Multiple processors working together to increase processing power.

Correct Answer: B

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**QUESTION 37**

A client has a need to look at and add many image files but has no need to change them. Which of the following media types would BEST meet the client's needs?

- A. CD-RW
- B. Disk
- C. Flash
- D. WORM

Correct Answer: D

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**QUESTION 38**

An administrator is building a server that will run a data warehousing application. The server was ordered with eight 300GB drives. The application requires a dedicated storage location for the OS and one for critical files. The critical file storage needs fast access but must provide high redundancy. The OS requires 100GB and the file requires 950GB. Which of the following configurations will BEST suit the data warehouse needs?

- A. OS: 3 Drives, RAID 1 with hot spare Files: 5 Drives, RAID 5 with hot spare



- B. OS: 2 Drives, RAID 1 Files: 6 Drives, RAID 1
- C. OS: 2 Drives, RAID 0 Files: 6 Drives, RAID 5
- D. OS: 2 Drives, RAID 1 Files: 6 Drives, RAID 5 with hot spare

Correct Answer: D

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#### QUESTION 39

An administrator has encountered an error while patching a virtualized guest machine. Which of the following technologies would allow the administrator to restore to a pre-patched state the FASTEST?

- A. Cloning
- B. Bare Metal Restore
- C. OS Restore
- D. Snapshot

Correct Answer: D

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#### QUESTION 40

A server administrator builds a disk array with data striping. Several months later, a disk fails and the server crashes. Which of the following is the problem?

- A. Data striping provides no fault tolerance.
- B. The block sizes were set incorrectly.
- C. The parity disk failed.
- D. The drive head broke off causing a cascade failure.

Correct Answer: A

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