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**Vendor:** CompTIA

**Exam Code:** SK0-003

**Exam Name:** CompTIA Server+ Certification

**Version:** Demo

**QUESTION 1**

A technician would like to ensure that when users connect to a web server in a server farm, they connect to the server with the lowest CPU utilization. Which of the following technologies would accomplish this?

- A. Load balancing
- B. High availability
- C. Virtual machine
- D. Reverse proxy

**Correct Answer:** A

**QUESTION 2**

Changing the boot order of devices can be configured from which of the following?

- A. DIP switches
- B. BIOS
- C. Chipset
- D. Control Panel

**Correct Answer:** B

**QUESTION 3**

Which of the following is an advantage of using non-ECC memory over ECC memory?

- A. ECC is faster than non-ECC
- B. Non-ECC is faster than ECC
- C. Non-ECC is more expensive than ECC
- D. Non-ECC checks for memory errors

**Correct Answer:** B

**QUESTION 4**

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

**QUESTION 5**

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

**QUESTION 6**

A technician has installed an additional NIC on a server. Which of the following can now be setup?

- A. Teaming
- B. VLANs
- C. Port forwarding
- D. Full duplex

**Correct Answer:** A

**QUESTION 7**

A technician is setting up a network and wants to automatically assign IP addresses. Which of the following will need to be configured to automatically assign IP addresses?

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

**Correct Answer:** C

**QUESTION 8**

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

**QUESTION 9**

Typically, warranty information can be found on a vendor's website by looking up which of the following?

- A. Original hardware configuration
- B. Service manual
- C. Service tag
- D. Model number

**Correct Answer:** C

**QUESTION 10**

When purchasing a UPS for a server room, which of the following are important factors to consider? (Select TWO).

- A. Network card configuration
- B. Remote access procedures
- C. Estimated runtime
- D. Maximum load
- E. Power cord length

**Correct Answer:** CD

**QUESTION 11**

A new server must be configured to provide fault tolerant connectivity to the DMZ and the backend database. Which of the following is the MOST cost effective way to accomplish this?

- A. A total of six NICs: two pairs of teamed NICs for the DMZ and two NICs for the backend database.
- B. One NIC can be configured with VLANs for the DMZ and backend database.

- C. A total of eight NICs to be teamed with the appropriate VLANs configured for the DMZ and backend database.
- D. A total of four NICs: two NICs for the DMZ and two NICs for the backend database.

**Correct Answer:** D

**QUESTION 12**

Which of the following is TRUE about a caching name server? (Select TWO).

- A. They must have a trusted SSL certificate
- B. They can be authoritative
- C. They cannot be load-balanced
- D. They can be recursive
- E. They require DHCP

**Correct Answer:** BD

**QUESTION 13**

A technician needs to deploy a new Internet facing web server and internal database server. The web server will use the database backend to retrieve shopping cart information. Which of the following configuration utilizes the LEAST resources?

- A. Both servers will be virtualized on the same host server. The web server will be configured with an Internet facing NIC connected to the host's hardware NIC and a backend NIC connected to a virtual switch. The database server NIC will be connected to the same virtual switch.
- B. The database server will be created on the existing virtual farm and configured with one physical NIC. The web server will be installed on new hardware and will utilize two physical NICs to separate backend traffic from frontend Internet communication.
- C. The web server will be created on the existing virtual farm and configured with two physical NICs, one NIC for backend and one for backend communication. The database server will be installed on new hardware to ensure maximum performance.
- D. Both servers will be virtualized on a pair of redundant host servers. Both the web server and the database server will share the same hardware resources. The web server will be configured with one NIC for both frontend and backend communication and the databases server will also have one NIC.

**Correct Answer:** A

**QUESTION 14**

A technician has fixed a reported issue with a heavily used software program and users have verified that the program is working correctly. Which of the following should the technician do NEXT?

- A. Document the process and update the baseline.
- B. Test the theory of probable cause and verify with the software vendor.
- C. Establish a plan of action to be included in the business impact analysis.
- D. Implement the software manufacturer workaround.

**Correct Answer:** A

**QUESTION 15**

After installing a new hard drive into a server for the purpose of mirroring the data from the first drive to the second one, the server displays an "operating system not found" error. Which of the following should the technician do to boot the server from the original drive?

- A. Replace the second drive with a hot swappable one.
- B. Swap the drive boot order in the BIOS.
- C. Make the second disk active under the disk management tool.
- D. Rebuild the array using the hardware RAID tool at boot.

**Correct Answer:** B

**QUESTION 16**

Which of the following **MUST** be done when imaging a Windows Server that will be used as a template?

- A. Remove software
- B. Run Windows Updates
- C. Update drivers
- D. Sysprep

**Correct Answer:** D

**QUESTION 17**

A technician works for a company that has recently been affected by a virus. The virus entered the network by using port 6000. Port 6000 is used by an application located on a server. The technician has been asked to block this port on all servers and computers except for the one server which uses this port. Which of the following should the technician do?

- A. Update the antivirus application
- B. Install critical update security patches
- C. Adjust the software firewall settings
- D. Replace the current antivirus program

**Correct Answer:** C

**QUESTION 18**

A technician manages a server that contains sensitive data. The server currently has two hard drives, one hosting the operating system and other generic files and the second hosting sensitive data. The technician needs to implement a technology that would guard against data loss for only the sensitive data, while adding only one additional hard drive. Which of the following should the technician implement to avoid reformatting any drives?

- A. RAID 0
- B. RAID 1
- C. RAID 3
- D. RAID 5

**Correct Answer:** B

**QUESTION 19**

When planning for redundant power sources in a server deployment, which of the following should be purchased? (Select TWO).

- A. RAID controllers
- B. Multiple UPSs
- C. Redundant cooling
- D. Dual NICs
- E. Redundant power supplies

**Correct Answer:** BE

**QUESTION 20**

Which of the following is an advantage of RAID 0?

- A. Mirrors data
- B. Redundancy
- C. Speed
- D. Automatic hot spare

**Correct Answer:** C

**QUESTION 21**

A technician is installing a server with sixteen 1 TB drives. They want the benefit of both speed and redundancy. Which of the following RAID configurations should be used?

- A. RAID 0
- B. RAID 1
- C. RAID 3
- D. RAID 50

**Correct Answer:** D

**QUESTION 22**

Which of the following types of UPS would be used with equipment that is very sensitive to power fluctuations?

- A. Offline / Standby
- B. Line interactive
- C. Rackmount
- D. Online / Double Conversion

**Correct Answer:** D

**QUESTION 23**

When a technician left the server room Monday evening everything was operational. When the technician returned Tuesday morning, the front bezel was off of the mail server, and it had been powered off. Which of the following should be checked FIRST?

- A. TCP/IP settings
- B. RAID configuration
- C. Whether the power cord is attached
- D. Server room access log

**Correct Answer:** D

**QUESTION 24**

Which of the following server roles allows a server to translate fully qualified domain names into IP addresses?

- A. Directory services server
- B. NTP server
- C. DHCP server
- D. DNS server

**Correct Answer:** D

**QUESTION 25**

A technician has just finished installing a new server into a server rack. Which of the following should the technician do NEXT to complete the installation documentation?

- A. Update drivers, update operating system (e.g. Windows Update), create server baseline, create a new network diagram, update change management procedures
- B. Create server baseline, label server, store vendor-specific documentation, update network diagrams, update asset tracking information
- C. Create server baseline, assign server roles, install tape drive, delete network diagram, label server, update operating system (e.g. Windows Update)

- D. Install applications on server, install external drives, toss vendor-specific documentation, update network diagrams

**Correct Answer:** B

**QUESTION 26**

A small business has had unauthorized people enter their server room and damage their servers. Which of the following locks for the door would BEST prevent unauthorized people from accessing the server room?

- A. Biometric
- B. Keypad
- C. Barcode
- D. Key lock

**Correct Answer:** A

**QUESTION 27**

A technician is troubleshooting a lack of Internet connectivity affecting their entire office. The technician suspects the issue is with their Internet Service Provider failing to provide service. Which of the following command line tools should the technician use to BEST test this theory?

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

**Correct Answer:** A

**QUESTION 28**

An administrator needs to install a 2U server into a rack. Which of the following shows how much space, in height, needs to be available for the server to fit in the rack?

- A. 1.75 inches (4.45 cm)
- B. 2.5 inches (6.35 cm)
- C. 3.5 inches (8.89 cm)
- D. 4.25 inches (10.8 cm)

**Correct Answer:** C

**QUESTION 29**

A customer has purchased a triple channel memory kit containing three DDR3 RAM modules. The server the RAM is intended for only has a dual channel capable motherboard. Which of the following is the BEST action to perform?

- A. Install only two modules as the RAM has to be installed in pairs
- B. Purchase one additional RAM module to make it even. Three modules will function as triple channel and the additional module will be for parity
- C. Purchase dual channel memory. The triple channel memory may be incompatible with the server motherboard
- D. Install the RAM. Two modules will perform as dual channel and one as single channel

**Correct Answer:** C

**QUESTION 30**

Which of the following processor technologies is typically supported on current enterprise class UNIX servers but not enterprise class Windows Servers?

- A. RISC

- B. CISC
- C. Multi-threading
- D. 64-bit

**Correct Answer:** A

**QUESTION 31**

An administrator needs to connect servers to the Fiber Channel SAN. Which of the following should the administrator install in the servers to allow this connection?

- A. Riser
- B. HBA
- C. SCSI card
- D. SAS card

**Correct Answer:** B

**QUESTION 32**

An administrator creates a new directory then shares it on the Windows server. The administrator sets the permissions for everyone to "Modify" but users report they are unable to create or delete documents. Which of the following is the cause?

- A. The administrator forgot to change the share permissions
- B. The users were not part of the "Everyone" built in group
- C. The administrator shared the files but not the folder
- D. "Modify" only allows users to change existing documents

**Correct Answer:** A

**QUESTION 33**

An administrator needs a network that can support up to 800 hosts on the same subnet. Which of the following is the MINIMUM subnet mask that should be used?

- A. 255.0.0.0
- B. 255.255.0.0
- C. 255.255.252.0
- D. 255.255.255.0

**Correct Answer:** C

**QUESTION 34**

In a system with high CPU utilization, which of the following will help the MOST to minimize the performance impact of parity overhead in RAID 5?

- A. Use all SAS Drives
- B. Triple Channel RAM
- C. Use all Solid State Drives
- D. Hardware RAID Controller

**Correct Answer:** D

**QUESTION 35**

An administrator has removed a SATA hard drive from a failed server. Which of the following adapters would MOST likely be used by the administrator to transfer files from the drive to a laptop?

- A. SATA to SCSI
- B. SATA to HBA
- C. SATA to USB



D. SATA to SAS

**Correct Answer:** C

**QUESTION 36**

Which of the following can transmit block level storage over Ethernet?

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

**Correct Answer:** B

**QUESTION 37**

Which of the following uses a switching fabric to connect storage LUNs to hosts?

- A. Fiber Channel
- B. SCSI
- C. SATA
- D. Ethernet

**Correct Answer:** A

**QUESTION 38**

An administrator has experienced minor electrical shocks when touching metal surfaces in the datacenter. Which of the following is the MOST likely cause?

- A. The UPS is using 220-240V rather than 110-120V
- B. The humidity is too low
- C. The temperature is too low
- D. The datacenter is experiencing EMI

**Correct Answer:** B

**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

**QUESTION 40**

A datacenter manager would like to ensure that all fire suppression in the datacenter is safe for the equipment in the room. Which of the following classifications should be listed on the fire suppression system?

- A. A
- B. B
- C. C
- D. D

**Correct Answer:** C

**QUESTION 41**

A server administrator implements a solution that should fix an issue. Which of the following should the administrator do NEXT in the troubleshooting process?

- A. Notify users impacted by the problem
- B. Verify full system functionality
- C. Document the actions and outcomes
- D. Identify the scope of the problem

**Correct Answer:** B

**QUESTION 42**

An administrator is troubleshooting a power supply that is believed to have failed. Which of the following tools will BEST help test the power supply?

- A. ESD Equipment
- B. Multimeter
- C. POST Card
- D. Toner Probe

**Correct Answer:** B

**QUESTION 43**

An administrator is testing setting the IP address on a Linux server from command line. Which of the following commands is used to set the default gateway for the server?

- A. route
- B. traceroute
- C. ipconfig
- D. nmap

**Correct Answer:** A

**QUESTION 44**

An administrator has replaced a faulty drive in a server using software RAID. The drive needs to now be partitioned before being added back to the array. Which of the following tools should the administrator use to accomplish this?

- A. chkdsk
- B. mount
- C. fsck
- D. diskpart

**Correct Answer:** D

**QUESTION 45**

Which of the following server types allows resolution of domain names to IP addresses?

- A. DHCP server
- B. DNS server
- C. Web server
- D. VLAN server

**Correct Answer:** B

**QUESTION 46**

Which of the following backup media would be MOST appropriate for router configuration files?

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