Vendor: CompTIA

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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

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