Question 1

An administrator received an alert that a backup job has been unsuccessful in the previous three attempts. The administrator discovers the issue occurred while backing up a user's data on a network share. Which of the following actions would be best to allow the job to complete successfully?

Options:

A- Enabling open file backups in the backup job

B- Moving the user's data off the network share

C- Excluding the user's data from the backup

D- Changing the backup job to exclude certain file types

Answer:

A

Explanation:

Enabling open file backups allows the backup software to copy files that are currently open or in use by applications. This ensures that even if a file is actively being modified during the backup process, it will still be included in the backup.

Advantages:

Ensures consistency of backed-up data, especially for files that are frequently accessed or modified.

Prevents data loss due to files being skipped during backup.

CompTIA Server+ Guide, Chapter 6: Storage, Section 6.3.2 (Backup Types)

Microsoft Docs: Volume Shadow Copy Service (VSS)

Question 2

Question Type: MultipleChoice

A technician is configuring a new server with four disks for the development team. The requirements are disk redundancy and maximum usable disk capacity. Which of the following RAID levels should be used for this server?

Options:

A- 0

B- 1

C- 5

D- 10

Answer:

D

Explanation:

Scenario:Four disks, requiring redundancy and maximum usable capacity.

RAID Level:RAID 10(Option D) is the best choice:

RAID 10 combines mirroring (redundancy) and striping (performance).

RAID 0 lacks redundancy, RAID 1 provides less capacity, and RAID 5 requires more

Question 3

Question Type: **MultipleChoice**

A startup is migrating a stand-alone application that stores PII to the cloud. Which of the following should be encrypted?

Options:

A- Data in transit

B- Data at rest

C- Data backups

D- Data archives

Answer:

B

Explanation:

Scenario:Migrating a stand-alone application storing PII to the cloud.

Data to Encrypt:Data at rest(Option B) should be encrypted:

Data in transit (Option A) and backups (Option C) are also important but not the primary concern here.

Data archives (Option D) may or may not contain sensitive data.

Question 4

Which of the following types of locks utilizes key fobs or key cards held against a sensor/reader to gain access?

Options:

A- Bolting door lock

B- Combination door lock

C- Electronic door lock

D- Biometric door lock

Answer:

C

Explanation:

Lock Type:The type of lock utilizing key fobs or key cards is anelectronic door lock(Option C).

Electronic locks use electronic credentials (such as key cards) for access control.

Question 5

A systems administrator is installing Windows on an 8TB drive and would like to create a single 8TB partition on the disk. Which of the following options should the administrator use?

Options:

A- VMFS

B- ZFS

C- GPT

D- MBR

E- LVM

Answer:

C

Explanation:

Scenario:Installing Windows on an 8TB drive, aiming for a single 8TB partition.

Solution:Use theGPT (GUID Partition Table)option (Option C):

GPT supports larger partitions (up to 18.4 million TB) compared to MBR (limited to 2TB).

VMFS, ZFS, and LVM are unrelated to the partitioning scheme in Windows.

Question 6

Question Type: **MultipleChoice**

A new virtual server was deployed in a perimeter network. Users have reported the time on the server has been incorrect. The engineer has verified the configuration, and the internal time servers are configured properly. Which of the following should the engineer do to resolve this issue?

Options:

A- Check the firewall rules.

B- Replace the CMOS battery in the server.

C- Restart the time servers.

D- Manually correct the time.

Answer:

D

Explanation:

The virtual server's time is incorrect despite proper configuration of internal time servers.

Resolution:The engineer shouldmanually correct the time(Option D):

If the internal time servers are configured correctly, manual adjustment is necessary.

Checking firewall rules would help identify NTP (Network Time Protocol) issues.

Replacing the CMOS battery is unlikely to be the cause of incorrect time.

Question 7

A server administrator is replacing a faulty PSU. The management team has asked for a solution that prevents further downtime in the future. Which of the following can the server administrator implement?

Options:

A- Separate circuits

B- Load balancing

C- Server monitoring

D- Redundancy

Answer:

D

Explanation:

A faulty PSU needs replacement, and the management team wants a solution to prevent future downtime.

Solution:Implementredundancy(Option D):

Redundant power supplies ensure that if one fails, the other takes over seamlessly.

Separate circuits, load balancing, and server monitoring are important but do not directly prevent PSU failures.

Question 8

A server administrator is tasked with resolving an issue with the server's local storage. The administrator turns on the server and only two out of the four drives are found. After several reboots, an additional hard drive connects and disconnects randomly. Which of the following is most likely the cause?

Options:

A- RAM

B- Power supply

C- Cooling failure

D- CPU

Answer:

B

Explanation:

The server's local storage is experiencing problems. Only two out of four drives are found, and an additional hard drive connects and disconnects randomly.

Likely Cause:The most probable cause is a faultypower supply(Option B). Here's why:

When a power supply is failing or not providing sufficient power, it can lead to intermittent connectivity issues with drives.

Drives may not be recognized during boot or may disconnect randomly due to power fluctuations.

RAM, CPU, and cooling failures typically result in different symptoms (e.g., blue screens, system instability, or overheating), which do not match the described issue.

Question 9

Question Type: **MultipleChoice**

A systems administrator is setting up a server farm for a new company. The company has a public range of IP addresses and uses the addresses internally. Which of the following IP addresses best fits this scenario?

Options:

A- 10.3.7.27

B- 127.0.0.1

C- 192.168.7.1

D- 216.176.128.10

Answer:

D

Explanation:

The IP address 216.176.128.10 falls within the range of public IP addresses, which are routable over the Internet. Since the company is using a public range of IP addresses internally, this address is suitable for the scenario. In contrast, 10.3.7.27 and 192.168.7.1 are private IP addresses typically used within internal networks and not routable on the public Internet. 127.0.0.1 is known as the loopback address, used by a computer to communicate with itself and not suitable for assigning to devices within a network.

Question 10

Which of the following should a technician verify first before decommissioning and wiping a file server?

Options:

A- The media destruction method

B- The recycling policy

C- Asset management documentation

D- Document retention policy

Answer:

C

Explanation:

Before decommissioning and wiping a file server, it's crucial to verify the asset management documentation. This documentation provides detailed records of the server's lifecycle, including procurement, usage, maintenance, and decommissioning information. Ensuring that asset management documentation is up-to-date and accurate is essential before proceeding with the server's

decommissioning to maintain proper inventory control, comply with regulatory and organizational policies, and facilitate any potential audits. While the media destruction method, recycling policy, and document retention policy are important considerations in the decommissioning process, verifying asset management documentation is the first step to ensure the server is correctly identified and accounted for in the organization's asset registry.

Question 11

A server administrator is tasked with upgrading the network on a server to 40Gbps. After installing the card, which of the following connectors should the administrator use?

Options:

A- QSFP+

B- 10 GigE

C- SFP

D- SFP+

Answer:

A

Explanation:

QSFP+ (Quad Small Form-factor Pluggable Plus) connectors are used in high-density, high-speed networking solutions such as 40 Gigabit Ethernet (40GbE) interfaces. When upgrading a server's network to 40Gbps, QSFP+ is the appropriate choice due to its capability to support such high-speed data transfer rates. 10 GigE, SFP, and SFP+ connectors are used for lower speed connections (10Gbps and below for SFP+ and 10 GigE, and even less for SFP), making them unsuitable for a 40Gbps network upgrade.

Question 12

Question Type: **MultipleChoice**

An administrator has been asked to copy files from a Windows server that may not conform to Windows file-naming standards. Which of the following would best facilitate the copy process?

Options:

A- Robocopy

B- SCP

C- Drag and drop

D- FTP

Answer:

A

Explanation:

Robocopy (Robust File Copy) is a command-line tool in Windows that is designed for reliable copy or mirroring of files, and it can handle a broader range of file names and paths, including those that do not conform to traditional Windows file-naming standards. It's specifically designed to handle complex file copy demands and offers a wide range of options that can be tailored for different scenarios, which makes it suitable for the task mentioned. SCP (Secure Copy Protocol), Drag and Drop, and FTP (File Transfer Protocol) are all methods that can be used to copy files, but they might not handle non-standard Windows file names as well as Robocopy.