SNIA S10-101

Snia Storage Network Foundations Exam
Version: 5.0

CERTKILL

Topic 1, Volume A

QUESTION NO: 1

What is a characteristic of synchronous remote replication?

A. Source is minutes ahead of the remote replication.
B. Source buffers the data and sends it depending on a cycle time.
C. Source and remote replication always have identical data.
D. Synchronous replication only used for extended distances.

Answer: C

QUESTION NO: 2

Which statement defines Serial-Attached SCSI (SAS) and SATA connectivity?

A. SAS storage devices can plug into SATA backplanes.
B. SATA storage devices can not plug into SAS backplanes.
C. SAS backplanes can accommodate both SAS and SATA devices.
D. SATA backplanes can accommodate both SAS and SATA devices.

Answer: C

QUESTION NO: 3

You no longer have any port availability in the company's switch fabric. There is a decommissioned switch available. When it is installed, there is a segmentation error. What is the cause problem?

A. The wrong cable type was used to connect the switches.
B. The cable was connected into the wrong port on the target switch.
C. A duplicate zone name exists on the switch you are adding.
D. The domain priority is inconsistent

Answer: C

QUESTION NO: 4

From a business perspective a well managed archive is particularly important in which situation?

A. In the event of loss of power at the primary data center
B. When an administrator accidentally formats the wrong file system
C. In the event of litigation

D. When a user accidentally deletes an important email

Answer: C

QUESTION NO: 5

What is the basic order of a snapshot creation process?

A. Flush file system, take snapshot. Backup the volume, release the application
B. Flush file system, quiesce the application, take snapshot, backup the volume
C. Quiesce the application, flush file system, take snapshot, backup the volume
D. Flush file system, quiesce the application, flush the file system, take snapshot, backup the volume

Answer: C

QUESTION NO: 6

What might be considered the most important criteria when designing an OLTP implementation for a financial services customer?

A. Data integrity
B. Data redundancy
C. Disk latency of less than 15 ms
D. High availability

Answer: A

QUESTION NO: 7

What is the maximum distance of a 50-micrometer fiber witch a 850nm shortware laser at 1 Gbps?

A. 500 meters
B. 300 meters
C. 150 meters
D. 70 meters

Answer: A

QUESTION NO: 8

Common enterprise tape cartridges such as LTO or DLT contain which components?

A. leader pin, write protect switch, supply reel, access door
B. leader pin, read/write head assemble, supply reel, access door
C. leader pin, write protect switch, supply reel, pickup reel
D. leader pin, read/write head assemble, supply reel, pickup reel

Answer: A

QUESTION NO: 9

What is the function of the "head" on the disk drive?

A. It is used to read or write data onto the disk media
B. It is used to seek to the area where the requested data is located
C. It is where the data is stored or retrieved
D. It is a standard unit of measurement on the disk media

Answer: A

QUESTION NO: 10

Which tier provides highest availability and highest performance?

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

Answer: D

QUESTION NO: 11

What is the maximum throughput of a 4 phy SAS wide port that has 3 Gbps links?

A. 300 MBps
B. 1200 MBps
C. 1800 MBps
D. 2400 MBps

Answer: D

QUESTION NO: 12

What is a common type simmetric key ciphering when securing stored information?

A. DEC
B. AES
C. Turing
D. SSL

Answer: B

QUESTION NO: 13

What describes TAID 0?

A. mirroring
B. parallel access with parity
C. Striping
D. Independent access with interleaved parity

Answer: C

QUESTION NO: 14

Which hardware component provides the interface between the storage network and the server backuplane?

A. gigabit link module
B. interposer card
C. inter-switch link
D. host bus adapter

Answer: D

QUESTION NO: 15

Which is considered tier 2 storage in a datacenter with Three (3) storage tier?

A. tape vault
B. Fibre channel disk array with dual controllers
C. Nearline Storage
D. intelligent storage virtualization

Answer: C

QUESTION NO: 16
What requeres the user to correctly install electrical terminators on both ends of the bus?

A. Sbus
B. SCSI bus
C. PCI bus
D. Fibre Channel

Answer: B

QUESTION NO: 17

What happens when a Data Disk drive which has the ability to operate at 1.5 amd 3.0 Gbps is plugged into a SAS exppander port with the ability to operate at 3.0 at 6.0 Gbps?

A. The SATA device will not operate
B. The SATA drive will power down
C. The SAS expander port shuts down and reports an error to the management application layer using the SMP protocol
D. The SAS expander port and SATA device will automatically perform speed negotiation and run at 3.0 Gbps

Answer: D

QUESTION NO: 18

Your existing tape infrastructure uses block level technology. You need to restore a set of files but not the entire volume. How ca this accomplished without compromising the existing data on the server?

A. Backup the server, restore the original volume, then restore the recent backup
B. Restore the tape over the existing volume. Only extra files that do not exist will be added
C. Build out a new server that mimics the existing server and restore the file to that newly created server
D. Restore to an alternate location such as a newly allocated drive. Copy the files you need on to the volume.

Answer: D

QUESTION NO: 19

Which RAID level is the most commonly used for file servers, application server, web server, databases, and other transaction-oriented applications?

A. RAID 1
B. RAID 3
C. RAID 4

D. RAID 5

Answer: D

QUESTION NO: 20

Which utility typically enables abstraction of storage within a server?

A. Switch zoning
B. Logical Volume Manager (LVM)
C. SAN appliance
D. SMI-S Monitoring Tool

Answer: B

QUESTION NO: 21

Your current backup solution includes a backup server and six tape drives within a tape library. The routers are connected to the SAN and the servers are zoned on the SAN to see the array. The server sends a set of commands to the tape routes causing the routers to talk directly to the volumes and copy them to the tape drives. Which backup infrastructure type would describe this process?

A. D2D (disc-to-disk)
B. 3PC (3rd party copy)
C. SSO (shared storage option)
D. D2R2T (disk to route to tape)

Answer: B

QUESTION NO: 22

Which Security method is used to insure that a particular host only has access to a particular LUN?

A. port binding
B. hard zoning
C. soft zoning
D. LUN masking

Answer: D

QUESTION NO: 23

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Answer: C

QUESTION NO: 24

What is one advantage of hardware of hardware RAID controllers?

A. Volume management is performed by the host
B. Volume management is performed by the switch
C. Parity calculation by the server and cache memory on the RAID controller increases read and write performance.
D. Dedicated cache memory increases server write performance.

Answer: D

QUESTION NO: 25

Which connectivity types are associated with block level access?

A. DAS and SAN
B. NAS and SAN
C. LAN and SAN
D. NAS and DAS

Answer: A

QUESTION NO: 26

Which host adapter configuration parameters is set to create redundant logical "paths" between the server and the storage device?

A. LUN-pathing
B. Zone-pathing
C. Multiplathing
D. Cluster failover paths

Answer: C

QUESTION NO: 27

Which subset of target devices allows for scallability beyond the 15 device limit in parallel SCSI?

A. target ports
B. I-T-L Nexus
C. logical units
D. command Descriptor blocks

Answer: C

QUESTION NO: 28

A unix server has recently been unable to mount its file systems after the HBA driver has been replaced and driver has been upgraded. What is the cause of the problem?

A. The switch zoning was based on port assignments
B. the Switch using worldwide naming has not been updated
C. the disk array firmware was not updated
D. The file system table was not updated to reflect the changes in device IDs.

Answer: B

QUESTION NO: 29

You must implement a backup infrastructure for a remote office. This office has enough data to fill a single tape each night. You can remotely schedule and control your backup server backups throughout the night. The staff at this site is not technical and will not touch the equipment. You only need to store the last five days worth of data these tapes. What solution purchase and administrative costs?

A. Deploy a tape autoloader with enough tape slots to support a new tape for each night
B. Deploy a set of five individual tape drives to the backup server each with a tape preloaded then rotate the tape drive you use each night.
C. Deploy a tape library with multiple tape drives to ensure quick backup and enough tape slots to support a new tape each night.
D. Deploy a single direct attached tape drive to the backup server and instruct onsite personnel how to swap tapes to ensure a new blank tape is available each night.

Answer: A