Exam : **S10-101**

Title : **Storage Network Foundations**

Ver : **07.17.08**

QUESTION 1

Which classification of storage virtualization is implemented in the Storage Array?

A. Disk Virtualization
B. File/record virtualization
C. File System Virtualization
D. Sector Virtualization

Answer: A

QUESTION 2

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

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

Answer: C

QUESTION 3

What does a NAS head do?

A. It connects to a LAN attached tape device
B. It prevents volume virtualization
C. It connects other NAS devices to the LAN
D. It connects to block storage devices

Answer: D

QUESTION 4

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

A. Command Descriptor Blocks
B. I-T-L Nexus
C. Logical Units
D. Target ports

Answer: C

QUESTION 5

What are two advantage of IP storage networking? (Choose two.)

A. Supports up to 126 devices

B. Lowers propagation delay
C. Leverages system administrator knowledge
D. Uses existing Ethernet technologies

Answer: C,D

QUESTION 6
What are the distance limitations of parallel SCSI?

A. 1.5 meters to 12.5 meters
B. 3 meters to 1.5 KM
C. 1.5 meters to 25 meters
D. 25 meters to 1.5KM

Answer: C

QUESTION 7
What are the steps to restore a complete backup that is using differential method?

A. Latest full and all subsequent differential backups must be restored
B. Latest full and latest differential backup must be restored
C. Latest incremental must be restored
D. Latest full must be restored

Answer: A

QUESTION 8
What is a characteristic of synchronous remote replication?

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

Answer: A

QUESTION 9
What requires the user to correctly install electrical terminators on both ends of the bus?

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

Answer: B

QUESTION 10
Which Fibre Channel protocol layer handles 8/10 bit encoding?

A. FC-3
B. FC-1
C. FC-2
D. FC-0

Answer: B

QUESTION 11
Certkiller .com has implemented a high availability tape backup process that uses snapshots. The snapshots are backed up to tape. When checking the backup, the data is found to be corrupt. Which option would fix this problem in future backups?

A. Unmount the file system before backing up the data
B. Store tapes offsite instead of within library
C. Quiesce the application before backing up the data
D. Quiesce the application before creating the snapshot

Answer: D

QUESTION 12
Which two performance criteria are used to determine the selection of a device for a tiered storage level? (Choose two.)

A. User Profile
B. Age of Data
C. Performance (IOPs)
D. Availability/Reliability
E. Power Consumption (Watts/GB)

Answer: C,D

QUESTION 13
Which can be included in a zone?

A. E ports
B. Name Server
C. WWPN
D. Logical Units

Answer: C

QUESTION 14
What does the acronym SATA mean?

A. Serial Advanced Technology Attachment
B. SCSI Attached Tunneled Architecture
C. Serial Attached Technology Architecture
D. Serial Attached Tunneled Architecture

Answer: A

QUESTION 15
What is the function of zoning?

A. Allows certain logical units to be visible to a HBA
B. Allows certain logical units mounted to the host
C. Allows certain N ports to be visible to each other
D. Define which path data will take through the network

Answer: C

QUESTION 16
Which two performance criteria are used to determine the selection of a device for a
tiered storage level? (Choose two.)

A. Performance (IOPs)
B. Power consumption (watts/GB)
C. Availability/Reliability
D. Age of data
E. User Profile

Answer: A,C

QUESTION 17
What is the maximum distance of a 50-micrometer multimode fibre with a 850nm
shortware laser at 2 Gbps?

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

Answer: D

QUESTION 18
What is the port type of all ports in a Fibre Channel Arbitrated Loop?

A. FL port
B. N port

C. F port
D. NL port

Answer: D

QUESTION 19

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

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

Answer: B

QUESTION 20

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

Answer: D

QUESTION 21

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 disk array firmware was not updated
C. The switch using worldwide naming has not been updated
D. The file system table was not updated to reflect the changes in devices IDs

Answer: C

QUESTION 22

What is the definition of asynchronous replication?

A. Requires acknowledged write of data on primary and secondary storage before the

write is acknowledged to the host
B. Does not require acknowledged copy of data on primary and secondary storage before the write is acknowledged to the host
C. Requires acknowledged write of data on primary storage only and data is forward to secondary site as network capabilities permit
D. Does not require acknowledged write of data on primary storage before data is forwarded to secondary site as network capabilities permit

Answer: C

QUESTION 23
You are designing a storage solution for an application where performance is not critical but availability is essential. You have decided to use high capacity SATA disks. Which RAID configuration will offer the greatest protection against disk failure?

A. RAID 5
B. RAID 6
C. RAID 0
D. RAID 4

Answer: B

QUESTION 24
Which two have World Wide Names? (Choose Two.)

A. Zone sets
B. HBAs
C. Servers
D. Switches
E. Disk Arrays

Answer: B,D

QUESTION 25
How many zone sets can be active in a fabric at a single time?

A. Two
B. Three
C. Unlimited
D. One

Answer: D

QUESTION 26
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. LUN Masking
D. Soft Zoning

Answer: C

QUESTION 27
What is the maximum distance of a 9-micrometer singlemode fiber with a 1300nm longwave laser at 4 Gbps?

A. 5k meters
B. 2k meters
C. 10k meters
D. >50k meters

Answer: B

QUESTION 28
Serial-Attached SCSI (SAS) supports which two link speeds? (Choose two.)

A. 1.5 Gbps
B. 3.0 Gbps
C. 1.0625 Gbps
D. 2.125 Gbps
E. 4.25 Gbps

Answer: A,B

QUESTION 29
What describes RAID 5?

A. Mirroring
B. Striping
C. Parallel access with dedicated parity
D. Independent access with interleaved parity

Answer: D

QUESTION 30
What is the maximum distance of a 50-micrometer multimode fiber with a 850nm shortwave laser at 1 Gbps?

A. 500 Meters
B. 300 Meters

C. 150 Meters
D. 70 Meters

Answer: A

QUESTION 31
In Fibre Channel, What does the port type FL mean?

A. Fabric Lane
B. Fabric Loop
C. Fabric Link
D. Fabric Long

Answer: B

QUESTION 32
What two types of disk drives would NOT be used to store your company's database
application and source files when reliability is the most important factor? (Choose two.)

A. SCSI
B. SAS
C. Fibre Channel
D. SATA
E. ATA

Answer: D,E

QUESTION 33
Which protocol can be used for backups on an IP based network?

A. iFCP
B. NDMP
C. SES
D. FCIP

Answer: B

QUESTION 34
How many zone sets can be active in a fabric at a single time?

A. Two
B. Unlimited
C. Three
D. One

Answer: D

QUESTION 35
What are two protocol options for transporting fibre channel over an IP network?
(Choose two.)

A. FCIP
B. iFCP
C. SES
D. iSNS
E. FCAL

Answer: A,B

QUESTION 36
What are two advantages of IP Storage networking? (Choose two.)

A. Can use existing network management tools
B. Greater security exposure
C. Lower cost infrastructure
D. Lower CPU Overhead

Answer: A,C

QUESTION 37
Which security method is used to insure that a particular host only has access to a
particular LUN?

A. LUN masking
B. Hard zoning
C. Port binding
D. Soft zoning

Answer: A

QUESTION 38
What is a characteristics of synchronous remote replication?

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

Answer: B

QUESTION 39
What are two advantages of SAN when compared to NAS? (Choose two.)

A. No retraining is required to manage
B. Provides file and object level access
C. Enables audit trails for change management
D. Providers block level access
E. Servers and storage can scale independently

Answer: D,E

QUESTION 40
Which subset of target devise allows for scalability beyond the 15 device limit in parallel
SCSI?

A. Logical Units
B. Target ports
C. I-T-L Nexus
D. Command Descriptor Blocks

Answer: A

QUESTION 41
What requires the user to correctly install electrical terminators on both ends of the bus?

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

Answer: A

QUESTION 42
Which concept provides block-based backup and recovery?

A. Server-Free Backup
B. DAS Enabled Backup
C. Disk-free backup
D. SAN-Free backup

Answer: A

QUESTION 43
In an FC SAN environment, what are two ways to protect data on an array connected by
the switch to multiple hosts? (Choose two.)

A. Collection of Fibre Channel disks in a single enclosure
B. LUN masking

C. Partition Keys
D. Drive encryption
E. Zoning
F. SSL and TLS

Answer: B

QUESTION 44
Which statement correctly identifies the relationship among these tape storage
components: a library, an autoloader and a drive?

A. A drive is a component of an autoloader, while an autoloader is a component of a
library
B. A tape drive is always directly connected; a library is always SAN connected; an
autoloader can be either directly or SAN connected
C. A library can support multiple drives; an autoloader can support multiple tapes; a tape
drive is a stand-alone unit
D. A tape drive is always directly connected to a server while autoloaders and libraries
are SAN attached

Answer: C

QUESTION 45
Which two link speeds are supported by SATA devices? (Choose two.)

A. 3.0 Gbps
B. 2.125 Gbps
C. 4.25 Gbps
D. 1.0625 Gbps
E. 1.5 Gbps

Answer: A,E

QUESTION 46
What are two advantage of NAS? (Choose two.)

A. Is appropriate for block level access
B. Uses existing network infrastructure
C. Is not limited to the throughout of the LAN
D. Is not impacted by traffic on the LAN
E. More scalable and flexible than DAS

Answer: B,E

QUESTION 47
Which characteristics differentiates an IP Storage adapter from a traditional Network

Interface Card (NIC)?

A. Link aggregation
B. TCP/IP offload engine (TOE)
C. 2 Gbps
D. Jumbo Frames

Answer: B

QUESTION 48
What is the maximum throughout of a 4 phy SAS wide port that has 3 Gbps links?

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

Answer: D

QUESTION 49
Which approach is commonly used for disaster recovery applications?

A. Snapshots
B. RAID 5
C. Replication
D. Mirroring

Answer: C

QUESTION 50
Which storage networking environment uses file access through a standard Ethernet network?

A. NAS
B. SAN
C. DAS
D. CAS

Answer: A

QUESTION 51
Which activity is performed by a Storage Device Manager?

A. Name Server Management
B. Logical Unit Number (LUN) masking
C. File System Configuration

D. Volume Group Configuration

Answer: B

QUESTION 52
What are two advantages of IP Storage networking? (Choose two.)

A. Lower CPU overhead
B. Greater security exposure
C. Can use existing network management tools
D. Lower cost infrastructure

Answer: C,D

QUESTION 53
What could be the possible problem if the expected disk drives do not appear to the Fibre
Channel host adapter?

A. Device driver revision is incorrect
B. Adapter BIOS was not enabled
C. Drive spin up was not enabled
D. LUN was not masked by array software

Answer: D

QUESTION 54
Which is considered tier 2 storage in a datacenter with three (3) storage tiers?

A. Intelligent Storage Virtualization
B. Fibre Channel Disk Array with dual controllers
C. Tape Vault
D. Nearline storage

Answer: D

QUESTION 55
What is a common type of symmetric key ciphering when securing stored information?

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

Answer: D

QUESTION 56

What is the maximum distance of a 9-micrometer singlemode fiber with a 1300nm longwave laser at 2 Gbps?

A. 10k meters
B. >50k meters
C. 2k meters
D. 5k meters

Answer: C

QUESTION 57

Which protocol is used to allow a NAS device to backup to a LAN attached backup device?

A. iSCSI
B. CIFS
C. NFS
D. NDMP

Answer: D

QUESTION 58

Which disk drive interfaces are considered to be parallel interfaces? (Choose two.)

A. SATA
B. SAS
C. Fibre Channel
D. SCSI
E. ATA

Answer: D,E

QUESTION 59

Members of a zone may be addressed by which two attributes? (Choose two.)

A. SCSI ID
B. Physical location on the switch
C. Worldwide port name
D. MAC Address
E. Serial Number

Answer: B,C

QUESTION 60

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. SATA backplanes can accommodate both SAS and SATA devices
D. SAS backplanes can accommodate both SAS and SATA devices

Answer: D

QUESTION 61
What two types of disk drives would NOT be used to store your company's database application and source files when reliability is the most important factor? (Choose two.)

A. ATA
B. SATA
C. Fibre Channel
D. SCSI
E. SAS

Answer: A,B

QUESTION 62
Which is considered tire 2 storage in a datacenter with three (3) storage tiers?

A. Tape vault
B. Intelligent Storage Virtualization
C. Nearline storage
D. Fibre Channel Disk Array with dual controllers

Answer: C

QUESTION 63
Which three types of disk drive would be used to run your company OLTP applications?
(Choose three.)

A. SCSI
B. ATA
C. SAS
D. Fibre Channel
E. SATA

Answer: A,C,D

QUESTION 64
Which utility typically enables abstraction of storage within a server?

A. Switch Zoning

B. SAN Appliance
C. Logical Volume Manager (LVM)
D. SMI-S Monitoring Tool

Answer: C

QUESTION 65
You are configuring a host to attach to a SAN-based storage device for the first time. The storage is not visible. What is the cause of the problem?

A. One of the two Fibre Channel cables is disconnected from the host
B. The reconfiguration command has not yet been executed
C. The HBA driver has not been configured or installed correctly
D. The storage device does not have a license for SAN attached devices

Answer: C

QUESTION 66
Which statement best describes an advantage of virtual tape libraries (VTL) in comparison to disk to disk (D2D) backup solutions?

A. Disk array works as a "temporary cache" for the backup software
B. Disk array does not respond to backup software command just as if it were a tape drive or a tape library
C. Virtual Tape is automatically sent to off-site vault after backup finishes
D. Existing backup applications and processes can be used with VTL

Answer: D

QUESTION 67
What is the maximum throughput of a 4 phy SAS wide port that has 3 Gbps links?

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

Answer: B

QUESTION 68
What describes the basic rpm and storage capacity of an enterprise class disk drive when compared to entry level disk drives?

A. Lower rpm and lower storage capacity
B. Higher rpm and lower storage capacity
C. Lower rpm and higher storage capacity

D. Higher rpm and higher storage capacity

Answer: B

QUESTION 69
Which statement describes the relationship between SAS and SATA devices regarding storage capacity?

A. SATA and SAS devices have the same storage capacity
B. SAS devices have less performance than SATA drives
C. SATA devices have less storage capacity than SAS device
D. SAS devices have less storage capacity than SATA devices

Answer: D

QUESTION 70
Which HBA configuration parameters represents the global value of outstanding commands?

A. Queue-depth
B. Task-depth
C. Target-queue-throttle
D. Lpfc_lun_throttle

Answer: A

QUESTION 71
Which storage networking environment uses file access through a Standard Ethernet network?

A. DAS
B. NAS
C. SAN
D. CAS

Answer: B

QUESTION 72
Which two RAID types use parity for data protection? (Choose two.)

A. RAID 10
B. RAID 3
C. RAID 1
D. RAID 5
E. RAID 0

Answer: B,D

QUESTION 73
What might be considered the most important criteria when designing an OLTP implementation for a financial services customer?

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

Answer: C

QUESTION 74
What is the maximum distance of a 50-micrometer multimode fiber with a 850nm shortwave laser at 1 Gbps?

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

Answer: B

QUESTION 75
Which two are common characteristics of DAS? (Choose two.)

A. Only available through SCSI/SAS interfaces
B. Attached to the host computer by a switch
C. Direct access to data is available from single server
D. Storage capacity is captive to a single server
E. Storage is accessible by any host anywhere on the network

Answer: C,D

QUESTION 76
What does the acronym PCI mean?

A. Peripheral component interconnect
B. PC interface
C. PC interconnect
D. Peripheral common interconnect

Answer: A

QUESTION 77
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 of the problem?

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

Answer: D

QUESTION 78
Which statement describes archiving?

A. Archiving provides copies of current data to be used in the event of a disaster
B. Archiving stores infrequently used files and data on lower performance media
C. Archiving is implemented for UNIX-based mail systems
D. Archiving selectively stores frequently used files and data on high performance media

Answer: B

QUESTION 79
Which two describe a NAS "head" or gateway? (Choose two.)

A. Connection to an IP network
B. snapshot feature set for efficient backup and recovery
C. Integrated disk storage
D. Replication facilities to tier 2 storage
E. "file serving" to clients and servers

Answer: A,E

QUESTION 80
Which RAID levels combine mirroring and striping?

A. RAID 5
B. RAID 4
C. RAID 3
D. RAID 0/1

Answer: D

QUESTION 81
Which is considered tier 3 storage in a datacenter with three (3) storage tiers?

A. Fibre Channel disk array with dual controllers
B. Intelligent storage virtualization
C. Nearline storage
D. Tape Vault

Answer: D

QUESTION 82

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 routers 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 (Disk-to-Disk)
B. SSO (Shared storage option)
C. D2R2T (Disk-to-Router-to-tape)
D. 3PC (3rd party copy)

Answer: D

QUESTION 83

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

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

Answer: B

QUESTION 84

Which three RAID levels will experience significant write-performance penalties?
(Choose three.)

A. RAID 1
B. RAID 6
C. RAID 5
D. RAID 3
E. RAID 4

Answer: B,C,E

QUESTION 85

Which statement describes the "cylinder" in the disk drive?

A. A group of concentric slices through the physical disks
B. Where the data is stored or retrieved
C. Used to seek to the area where the requested data is located
D. Used to read or write data onto the disk media

Answer: A

QUESTION 86

Given that the devices used in the backup are accessed using fully independent paths through the fabric and ports at the array. Which backup strategy has the least impact on performance and offers the most improved availability to a production application running in an active/standby cluster?

A. Backup at the standby host from a split-mirror point-in-time copy
B. Backup at the standby host from a delta-snapshot of the production disks
C. Backup at the primary host form a multi-point snapshot of the production disks
D. Backup at the primary host from a snapshot of a clone point-in-time copy

Answer: A

QUESTION 87

Which statement describe the "cylinder" in the disk drive?

A. Used to seek to the area where the requested data is located
B. Used to read or write data onto the disk media
C. A group of concentric slices through the physical disks
D. Where the data is stored or retrieved

Answer: C

QUESTION 88

Which statement describes a RAID array?

A. Collection of disks with a controller that provides mirroring functionality
B. Collection of Fibre Channel disks in a single enclosure
C. Collection of disks in a single enclosure
D. A pair of controllers that provides cache, striping and virtualization services

Answer: B

QUESTION 89

Which device enables a Fibre Chanel host to connect to a parallel legacy SCSI storage device?

A. SCSI extender
B. Fibre Channel Bridge

C. Fibre Channel Director
D. Fibre Channel Switch

Answer: B

QUESTION 90
Which method protects data by maintaining separate copies of the data on two or more disks?

A. Mirroring
B. Backup to disk
C. NDMP
D. Parity RAID

Answer: A

QUESTION 91
Which tier provides highest availability and highest performance?

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

Answer: C

QUESTION 92
Serial-Attached SCSI (SAS) supports which two links speeds? (Choose two.)

A. 1.0625 Gbps
B. 4.25 Gbps
C. 2.125 Gbps
D. 1.5 Gpbs
E. 3.0 Gbps

Answer: D,E

QUESTION 93
Which characteristic differentiates an IP Storage adapter from a traditional Network Interface card (NIC)?

A. link aggregation
B. 2 Gb/s data rate
C. larger frame size
D. TCP/IP segmentation offload

Answer: D

QUESTION 94
What are two advantages of IP storage networking? (Choose two.)

A. lower propagation delay
B. support up to 16 million devices
C. builds on SCSI and Ethernet technologies
D. takes advantage of existing knowledge base

Answer: C, D

QUESTION 95
What is a shared communication infrastructure device to which nodes on a
multi-points bus or loop are physically connected?

A. hub
B. switch
C. gateway
D. managed switch

Answer: A

QUESTION 96
Which architecture allows system-to-system communication and user level DMA
with as little CPU interaction as possible, most particularly for clustering?

A. FAIS
B. FC-VI
C. FC-CT
D. FC-SW

Answer: B

QUESTION 97
Which SMB security entity provides locking?

A. share ACL
B. NFS export
C. deny modes
D. CIFS authorization

Answer: C

QUESTION 98
Which three options are benefits of using storage based replication? (Choose three.)

A. minimal or no host load
B. host platform independent
C. minimal client network load
D. storage platform independent
E. minimal storage network load

Answer: B, C, D

QUESTION 99
Which three standards are the responsibility of the Internet Engineering Task
Force? (Choose three.)

A. IEEE
B. SNMP
C. NDMP
D. Policy for QoS
E. IP over Fibre Channel

Answer: B, D, E
IETF (www.ietf.org) -- Internet Engineering Task Force. The standards body responsible
for a wide variety of TCP/IP (Transmission Control Protocol/Internet Protocol)
standards, including: SNMP, Simple Network Management Protocol - A protocol for
monitoring and managing systems and devices in a network. The data being accessed is
defined by a MIB (Management Information Base, also defined in the IETF). The
functions supported by the protocol are the request and retrieval of MIB data, the setting
or writing of data, and traps to signal the occurrence of events. IP over Fibre Channel
Policy for QoS (quality of service)

QUESTION 100
What is the minimal iSCI security level needed to protect against man-in-the-middle
insertion, modification or deletion?

A. none
B. encryption (IPsec)
C. Initiator and Target Authentication
D. digest for header and data integrity

Answer: D

QUESTION 101
A customer is implementing a disaster recovery plan to backup data to a remote
location 200 kilometers from their production facility.
Which proposal should they use?

A. Synchronously replicate data between the two sites using DWDM.
B. Asynchronously replicate data between the two sites using DWDM.
C. Synchronously replicate data between the two sites using a completely fibre solution.
D. Asynchronously replicate data between the two sites using a completely fibre solution.

Answer: B

QUESTION 102
Which SMI-S related acronym describes an object-oriented description of the
entities and relationships in a business management environment, divided into core
and common models?

A. CIM
B. SRM
C. DRM
D. DMTF

Answer: A

QUESTION 103
Which virtualization technique requires the addition of an agent to each host for the
purpose of managing storage allocation?

A. host-based LVM
B. in-band appliance
C. out-of-band appliance
D. array-based LUN masking

Answer: C

QUESTION 104
Which concept includes considerations such as data placement, deletion,
repurposing, and regulatory archiving.

A. tiers of management
B. backup and recovery
C. common data usage model
D. information lifecycle management

Answer: D

QUESTION 105
What are three advantages of NAS? (Choose three.)

A. File services can be extended to hundreds of devices

B. Easy to implement using the same protocols as file servers
C. Provides a high-speed data path between servers and storage
D. Clients running different operating systems can share the same files

Answer: A, B, D

QUESTION 106
What is the SNIA Shared Storage Model?

A. description of storage components and their differences
B. framework that captures the functional layers and properties of a storage system
C. specification, a design, a product, a recommendation of a storage infrastructure
D. systems architecture that describes partitioning of physical elements and their complex interactions

Answer: B

QUESTION 107
Which transport method requires correct electrical termination on both ends?

A. SBus
B. ATAPI
C. PCI bus
D. SCSI bus

Answer: D

QUESTION 108
A customer with a split mirror backup infrastructure requires an emergency restore of a database. The data files and archive logs are co-located in the same file system.
What is your first step after stopping the database?

A. restore
B. bring up the database in recovery mode
C. copy archive logs to an alternate location
D. change the database state to no archive logs

Answer: C

QUESTION 109
A stock trading application requires disaster tolerant storage for both transactional and analytical processing. The implementation resulted in both a database and a data warehouse.

A. As initial storage is extended to match capacity changes, remote storage is added

dynamically.
B. The storage administrator creates a series of policies that specify remote and local replication at the policy client.
C. The storage administrator creates a series of policies that specify remote and local replication at the policy provider.
D. As local storage is extended to match capacity changes, remote storage is reconfigured within the capabilities of the storage pool.

Answer: A, B

QUESTION 110
Where is the virtualization performed that masks physical data layout?

A. network
B. FC switch
C. host/server
D. storage device

Answer: D

QUESTION 111
Which architectural model in the SCSI Architectural Model defines the objects, function and behavior independent of the physical interface used to transport those objects or perform the functions?

A. FC-4
B. iSCSI
C. SCSI-3
D. SCSI-FCP

Answer: C

QUESTION 112
What type of Fabric switch ports are joined to form an ISL?

A. F_Port to F_Port
B. N_port to F_Port
C. E_Port to E_Port
D. NL_Port to E_Port

Answer: C

QUESTION 113
Which two are characteristic of mid-tier DAS? (Choose two.)

A. requires specialized training to manage

B. storage must be located near the server
C. data is not readily shared over many servers
D. storage is accessible by any host anywhere on the network

Answer: B, C

QUESTION 114
What occurs when iSCSI has been implemented in software?

A. FCIP is automatically enabled.
B. Host CPU overhead increases.
C. Network bandwidth increases to 10Gb/s.
D. Performance is equal to Fibre Channel host bus adapters.

Answer: B

QUESTION 115
Which two recovery risks exist, given backup of a multi-protocol NAS device taken from a client system through an active share? (Choose two.)

A. loss of SMB files
B. loss of NFS meta data
C. loss of CIFS meta data
D. loss of ACL information

Answer: B, D

QUESTION 116
What are two disadvantages of using a parallel interface? (Choose two.)

A. as the bus length increases, the chance of skew increases
B. as the bus speed increases, the chance of skew increases
C. as the number of devices attached to the bus increases, bus length decreases
D. as the number of devices attached to the bus increases, bus queue depth increases

Answer: A, B

QUESTION 117
Which Storage solution supports remote mirroring of FC switch attached storage arrays in geographically dispersed data centers?

A. iFCP
B. FCIP
C. iSNS
D. iSCSI

Answer: B

QUESTION 118
Which type of storage management product would be used to perform LUN creation, mapping, and configuration without advanced integration of heterogeneous storage platforms?

A. device manager
B. logical data manager
C. storage network manager
D. network management system

Answer: A

QUESTION 119
Which storage management component typically contains proprietary interfaces and is vendor supplied?

A. device manager
B. logical data manager
C. storage network manager
D. network management system

Answer: A

QUESTION 120
Which utility typically enables abstraction of storage within a server?

A. LVM
B. switch zoning
C. SAN appliance
D. SMI-S monitoring tool

Answer: A

QUESTION 121
Which two performance criteria are used to determine the selection of a device for a tiered storage level? (Choose two.)

A. user profile
B. age of data
C. speed (IOPs)
D. RAID and availability

Answer: C, D

QUESTION 122
Which term refers to the information that can be accessed on a disk drive by all the heads without having to seek?

A. sector
B. cylinder
C. read cache
D. parity partition

Answer: B

QUESTION 123
What component is a configuration management element of an IP storage solution?

A. HBA
B. VSAN
C. ISL
D. VLAN

Answer: D

QUESTION 124
Which IP Storage protocol requires iSNS for discovery and management?

A. FCIP
B. SATA
C. iFCP
D. iSCSI

Answer: C

QUESTION 125
Which Fibre Channel class of service offers a "quality of service" with guaranteed bandwidth?

A. Class 2
B. Class 3
C. Class 4
D. Class 5

Answer: C

QUESTION 126
Which three interface points test the interoperability of SMI-S? (Choose three.)

A. CIMOM to provider
B. Client to CIM/WBEM
C. CIM/WBEM to CIMOM
D. CIM/WBEM to provider

Answer: A, B, C

QUESTION 127
What are three advantages of a SAN? (Choose three.)

A. Heterogeneous servers can access a shared storage array.
B. Heterogeneous servers can be backed up to a shared tape array.
C. Storage arrays can appear as self contained, autonomous file servers.
D. Clustered servers located in different buildings can access the same storage.

Answer: A, B, D

QUESTION 128
A small Internet startup company needs to implement a backup solution in their
environment. Cost is a large concern, and performance is not as critical since their
environment mainly sits idle during off hours. If a backup is not completed
successfully, the customer has little concern and is able to run new backups at any
time.
Which solution meets the customer's requirements for providing a low-cost solution
and satisfies their current demand?

A. LAN-free backup
B. Server-free backup
C. over-the-network backup
D. SAN without LAN-free backup

Answer: C

QUESTION 129
A clothing manufacturer is replicating its data asynchronously to a remote site. On
the remote site, it creates a snapshot of the mirrored volume to use as a disaster
tolerant backup.
Which choice contains the steps to create a consistent copy of the data?

A. simply create the snapshot
B. quiesce the application at the production site, create the snapshot
C. split the link between the production and mirrored volumes, create the snapshots
D. split the production and mirrored volumes, quiesce the application at the production
site, create the snapshot

Answer: B

QUESTION 130
Which three are advantages of using a SAN in a campus environment? (Choose three.)

A. Consolidate storage in a data center
B. Increase storage resource utilization
C. Decrease network traffic due to backups
D. Decrease network traffic due to storage decentralization

Answer: A, B, C

QUESTION 131
Which disk drive type relies on the host processor to perform all storage tasks?

A. SCSI
B. Parallel ATA
C. Fibre Channel
D. SAS (Serial Attached SCSI)

Answer: B

QUESTION 132
What is the maximum potential bandwidth of a Fibre Channel connection in a 2 Gb SAN?

A. 100 MB/s
B. 200 MB/s
C. 300 MB/s
D. 400 MB/s

Answer: D

QUESTION 133
Which storage networking environment accesses the file system through a local area network?

A. SAN
B. NAS
C. CAD
D. DAS

Answer: B

QUESTION 134
Which two sub-components are required in a specialized NAS operating system?

(Choose two.)

A. file system
B. user interface
C. process scheduler
D. communication protocols

Answer: A, D

QUESTION 135
Which two are advantages of hardware RAID controllers? (Choose two.)

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

Answer: B, C

QUESTION 136
Which Fibre Channel topology was initially introduced as a replacement for physical SCSI?

A. FC_AL
B. FDDI
C. point-to-point
D. switched Fabric

Answer: A

QUESTION 137
Certkiller .com's application and database will be rehosted and the underlying SCSI storage with an FC array. The new system's O/S, volume manager, application and database are incompatible, requiring many upgrades.
Which action would you recommend?

A. Upgrade existing storage using host level migration.
B. Create a snapshot replica of the new storage, making it available to the new host for test.
C. Create a split mirror replica of the new storage, making it available to the new host for test.
D. Upgrade exist host to current volume manager, application and database levels and then migrate to new host using NDMP.

Answer: A

QUESTION 138

Certkiller .com needs to implement a high availability model for its mission critical
data. Cost is important, but the solution must meet the following criteria:
1) Data can never be offline for more than 10 minutes, even after a failure
2) Databases must be on line during backups.
3) The company is using RAID 5 and must guard against double disk failure
Which option is the most cost effective strategy and fulfils the constraints?

A. Create a split mirror snapshot and use as a hot backup
B. Create a copy on write snapshot and use as a hot backup
C. Create a split mirror snapshot and backup the snapshot to tape
D. Create a copy on write snapshot and backup the snapshot to tape

Answer: A

QUESTION 139

What is the family of Small Computer System Interface /SCSI) standards that
define characteristics of the multi-signal I/O bus versions of the SCSI Interface?

A. serial SCSI
B. SCSI address
C. SCSI parallel Interface
D. SCSI Enclosure Services

Answer: C

QUESTION 140

Which three may describe a NAS "head" or gateway? (Choose three.)

A. integrated disk storage
B. connection to an IP network
C. clustering and failover features
D. "file serving" to clients and servers

Answer: B, C, D

QUESTION 141

What are two advantages of virtualization? (Choose two.)

A. improves data integrity
B. provides higher storage asset utilization
C. allows file sharing between dissimilar applications
D. increases the number of storage devices an operator can manage

Answer: B, D

QUESTION 142
Which protocol is used for backups on an Ethernet based network?

A. FCIP
B. NDMP
C. iDMP
D. iSNS

Answer: B

QUESTION 143
Which two are recognized by SNIA as elements of the storage virtualization taxonomy? (Choose two.)

A. Disk Virtualization
B. Host Virtualization
C. Block Virtualization
D. Cache Virtualization

Answer: A, C

QUESTION 144
What are the SCSI addressing components handled by the SCSI protocol?

A. SCSI bus, logical unit
B. SCSI bus, target ID, logical unit
C. SCSI bus, target ID, adaptor number
D. SCSI bus, adaptor number, logical unit

Answer: B

QUESTION 145
Certkiller .com is creating a backup and recovery plan using split mirror technology.
Which order of steps must be taken to ensure a consistent and restartable backup of data?

A. quiesce application, flush buffers, split mirrors, backup data
B. split mirrors, quiesce application, flush buffers, backup data
C. split mirrors, flush buffers, quiesce application, backup data
D. flush buffers, quiesce application, split mirrors, backup data

Answer: A

QUESTION 146
Which component is a configuration management element of fabric?

A. HBA
B. zone
C. LUN
D. VLAN

Answer: B

QUESTION 147
Which two RAID types use parity for data protection? (Choose two.)

A. RAID 1
B. RAID 4
C. RAID 1+0
D. RAID 5

Answer: B, D

QUESTION 148
What is a benefit of host-based data replication?

A. full utilization of host CPU resources
B. storage device independent and application transparent
C. uses existing storage area network connections to complete replication
D. enables applications to virtualize host connectivity and parallel data processing

Answer: B

QUESTION 149
Which SMI-S interface role provides a common service for use by clients in locating services in the management environment?

A. agent
B. provider
C. directory server
D. management server

Answer: C

QUESTION 150
Which subset of target devices allow for scalability in the SCSI protocol?

A. target ports
B. I-T-L Nexus
C. logical units
D. Command Descriptor Blocks

Answer: C

QUESTION 151
Which standard management agent resides in the file/record layer if the SNIA storage object model?

A. host
B. device
C. network
D. database

Answer: D

QUESTION 152
Which three upper layer protocols are supported by Fiber Channel? (choose three)

A. VI
B. IP
C. SCSI
D. ATAPI

Answer: A,B,C

QUESTION 153
Which two recovery risks exist, given backup of a multi-protocol NAS device taken from a client system through an active share? (choose two)

A. loss of SMB files
B. loss of NFS meta data
C. loss of CIFS meta data
D. loss of ACL information

Answer: B,D

QUESTION 154
Which two Storage Virtualization classifications are host based? (choose two)

A. File/Record
B. File System
C. File Allocation
D. File Redundancy

Answer: A,B

QUESTION 155
Which two are strengths of high end storage arrays in a SAN? (Choose two)

A. provides higher availability
B. no retraining is required to manage
C. servers and storage can scale independently
D. costs are comparable to DAS or NAS solution

Answer: A,C

QUESTION 156
Which SMI-S interface role server management information from multiple devices
or underlying subsystem providers and enables proxy access to devices/subsystems?

A. agent
B. CIM server
C. Lock manager
D. Directory server

Answer: B

QUESTION 157
What are two advantages of a switched fabric over arbitrated loop topology?
(choose two)

A. A single Fabric can scale to 2048 switches.
B. Failure of a single device in a switched topology affects only that device.
C. Each device arbitrated to gain access to the switch thus avoids contention.
D. Number of devices that can be attached increases as the size of the switching structure
expands.

Answer: B,D

QUESTION 158
Which transport method requires correct electrical termination on both ends?

A. Sbus
B. ATAPI
C. PCI bus
D. SCSI bus

Answer: D

QUESTION 159
What component is a configuration management element of an IP storage solution?

A. HBA
B. VSAN
C. ISL
D. VLAN

Answer: D

QUESTION 160
What are two examples of active, malicious attacks possible in IP Storage transport environments? (Choose two)

A. eavesdropping
B. identity spoofing
C. man-in-the-middle
D. data origin authentication

Answer: B,C

QUESTION 161
What is the basic order of a snapshot creation process?

A. flush, snapshot, backup, release
B. flush, quiesce, snapshot, backup
C. quiesce, flush, snapshot, backup
D. flush, quiesce, snapshot, backup

Answer: C

QUESTION 162
What are the SCSI addressing components handled by the SCSI protocol?

A. SCSI bus, logical unit
B. SCSI bus, target ID, logical unit
C. SCSI bus, target ID, adaptor number
D. SCSI bus, adaptor number, logical unit

Answer: B

QUESTION 163
Which unit physically stores data and protects against errors on a fixed block architecture disk?

A. head
B. cache
C. sector
D. cylinder

Answer: C

QUESTION 164
Which default network file sharing protocol is used by Microsoft Windows clients in
a NAS environment?

A. IPX
B. NFS
C. DNS
D. CIFS

Answer: D

QUESTION 165
What are three disadvantages of NAS when compared to Fiber Channel for
database applications? (choose three)

A. multi-path failover
B. distance from server
C. Ethernet bandwidth limitations
D. Scalability beyond single appliance

Answer: A,C,D

QUESTION 166
What is a virtual replication of a data volume typically used for short term backup
and recovery purposes?

A. split mirror snapshot
B. copy-on-write snapshot
C. storage based data replication
D. network based data replication

Answer: B

QUESTION 167
Which SMB security entity provides locking?

A. share ACL
B. NFS export
C. Deny modes
D. CIFS authorization

Answer: C

QUESTION 168
Which component is a configuration management element of a host?

A. HBA
B. Zone
C. LUN
D. VLAN

Answer: A

QUESTION 169
Which protocol is the responsibility of the Network Data Management Task Forc?

A. DMP
B. NDMT
C. DNMP
D. NDMP

Answer: D

QUESTION 170
Which subset of target devices allow for scalability in the SCSI protocol?

A. target ports
B. I-T-L Nexus
C. Logical units
D. Command Descriptor Blocks

Answer: C

QUESTION 171
Certkiller .com is creating a backup and recovery plan using split mirror technology.
Which order of steps must be taken to ensure a consistent and restorable backup of data?

A. quiesce application, flush buffers, split mirrors, backup data
B. split mirrors , flush buffers, split mirrors, backup data
C. split mirrors , flush buffers ,quiesce application, backup data
D. flush buffers quiesce application, split mirrors, backup data

Answer: A

QUESTION 172
Which two concepts provide block-based backup and recovery? (choose two)

A. disk-free

B. LAN-free
C. SAN-free
D. Server-free

Answer: B,D

QUESTION 173

Certkiller .com is implementing a disaster recovery plan. When planning the performance impact of the solution which three concerns should be taken into consideration? (choose three)

A. distance between sites
B. technology linking the remote sites
C. write intensive nature of applications
D. RAID type used by data on local array

Answer: A,B,C

QUESTION 174

Which standard defines a programming framework for implementing storage applications, including storage pooling, data replication and virtualization between heterogeneous storage systems?

A. FAIS
B. FIPS
C. FC-VI
D. FC-GS

Answer: A

QUESTION 175

Certkiller .com's application and database will be rehosted and the underlying SCSI storage subsystem replaced with an FC array. The new system's O/S, volume manager, application and database are incompatible, requiring many upgrades.
Which action would you recommend?

A. Upgrade existing storage using host level migration
B. Create a snapshot replica of the new storage, making it available to the new host for test
C. Create a split mirror replica of the new storage, making it available to the new host for test
D. Upgrade existing host to current volume manager, application and database levels and then migrate to new host using NDMP

Answer: A

QUESTION 176
What is the minimal iSCSI SECURITY LEVEL NEEDED TO PROTECT AGAINST MAN-IN-THE-MIDDLE INSERTION, MODIFICATION OR DELETION?

A. none
B. encryption (Ipsec)
C. initiator and Target Authentication
D. digest for header and data integrity

Answer: D

QUESTION 177
Which RAID type is the best choice when performance is more important than protection?

A. RAID 4
B. RAID 0+1
C. RAID 1
D. RAID 5

Answer: B

QUESTION 178
What are two advantages of virtualization? (choose two)

A. improves data integrity
B. provides higher storage asset utilization
C. allows file sharing between dissimilar applications
D. increase the number of storage devices an operator can manage

Answer: B,D

QUESTION 179
A large credit reporting agency has deployed a SAN infrastructure, and is now trying to design a backup solution. Cost is not a concern. Data availability and minimal production impact, however, are critical to the desired result. Backup should be after hours, and require as few host resources as possible allowing the applications to continue running unhindered.
Which backup and recovery solution satisfies the customer requirements and provides the highest level of availability?

A. NDMP backup
B. LAN-free backup
C. SAN without LAN-free backup
D. Over-the-network based backup

Answer: B

QUESTION 180
Which virtualization technique is best suited for low-cost, short term replication of data where storage utilization and replication creation must be minimized?

A. full copy snapshot
B. multi-site block storage
C. copy-on-write snapshot
D. storage virtualized tape drives

Answer: C

QUESTION 181
What is the maximum potential bandwidth of a Fiber Channel connection in a 2 Gb SAN?

A. 100 MB/s
B. 200 MB/s
C. 300 MB/s
D. 400 MB/s

Answer: D

QUESTION 182
Which protocol allows booting from the network?

A. IFCP
B. ICUP
C. FCIP
D. ISCSI

Answer: D

QUESTION 183
What is a Fiber Channel HBA?

A. A device that interfaces Fiber Channel to a SCSI bus.
B. A device that interfaces Fiber Channel with Gigabit Ethernet.
C. A device that interfaces Fiber Channel with a computer system.
D. A device that interfaces Fiber Channel with Ethernet storage arrays.

Answer: C

QUESTION 184
Which type of storage management product supports some standards such as
SNMP agents and telnet interfaces, as well as provides front and rear device views
with status?

A. device manager
B. logical data manager
C. storage network manager
D. network management system

Answer: A

QUESTION 185
Which is a full duplex disk interface?

A. Iscsi
B. Parallel ATA
C. SATA (Serial ATA)
D. SAS (Serial Attached SCSI)

Answer: D

QUESTION 186
Which SMI-S term provides information about physical and logical SAN entities
found, often dynamically, within the management domain?

A. extension
B. discovery
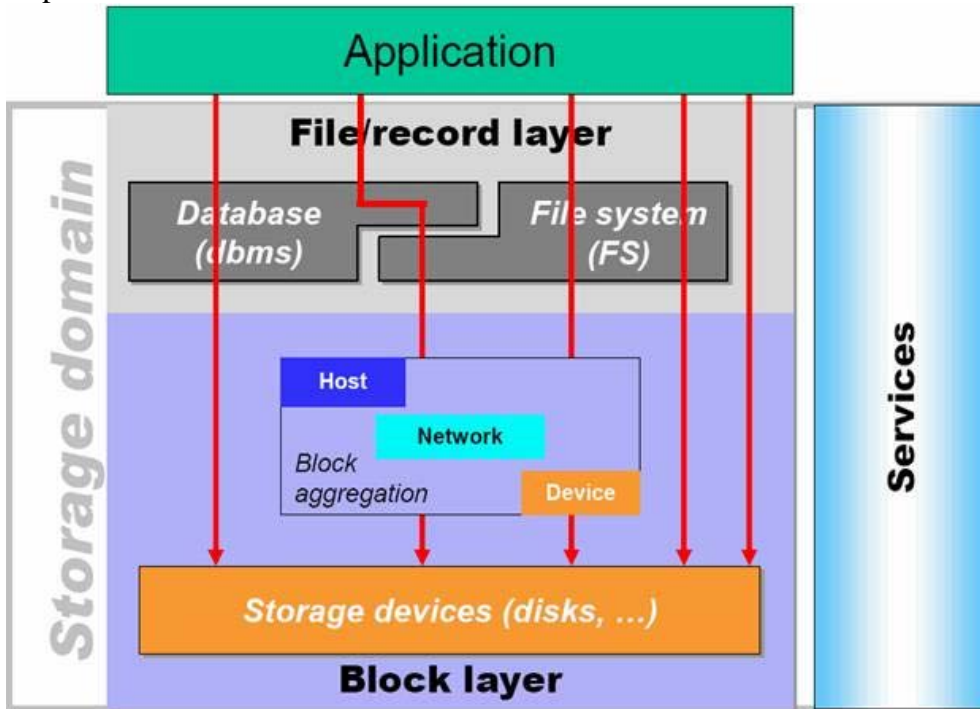C. enumeration
D. intrinsic-method

Answer: B

QUESTION 187
Which three components of the SNIA Shared Storage Model are members of the
"Block Aggregation" layer? (choose three)

A. host
B. device
C. network
D. database
E. file system

Answer: A,B,C

Explanation:

QUESTION 188
Which TCP/IP based protocol is used for connections between servers and IP-based storage devices?

A. FCIP
B. ISCSI
C. IFCP
D. ISNS

Answer: B

QUESTION 189
Certkiller .com needs to backup its data while keeping the data online. Cost and application performance are both important. The data can be backed up to tape between 12.00 AM and 6.00AM when the applications are not write intensive. Which solution is the most appropriate?

A. Create a split mirror snapshot, mount the snapshot to the same host, back the snapshot up to tape.
B. Create a split mirror snapshot, mount the snapshot to a different host, back the snapshot up to tape.
C. Create a copy on write snapshot, mount the snapshot to the same host, back the snapshot up to tape.
D. Create a copy on write snapshot, mount the snapshot to a different host, back the snapshot up to tape.

Answer: D

QUESTION 190
Which two are choices of physical transports for storage over IP? (CHOOSE
TWO)

A. FCIP
B. ICUP
C. IFCP
D. ISNS

Answer: A,C

QUESTION 191
Which storage administration policy association is appropriate in an SMI-S
enabled environment if an online application will be supported by a large database?

A. an OLTP policy with the database at the policy client
B. an OLAP policy with the database at the policy client
C. an OLTP policy with the database at the policy provider
D. an OLAP policy with the database at the policy provider

Answer: A

QUESTION 192
Where is the virtualization performed that masks physical data layout?

A. network
B. FC switch
C. Host/server
D. Storage device

Answer: D

QUESTION 193
Which IP Storage solution supports presentation of storage to an array of blade
servers that require remote boot, high storage availability, and minimal peak I/D
requirements?

A. IFCP
B. FCIP
C. ISNS
D. ISCSI

Answer: D

QUESTION 194
What are the distance limitations of parallel SCSI?

A. 3 meters to 1.5 KM
B. 25 meters to 1.5 KM
C. 1.5 meters to 25 meters
D. 1.5 meters to 12.5 meters

Answer: C

QUESTION 195
What are two advantages of IP storage networking? (choose two)

A. lower CPU overhead
B. lower cost infrastructure
C. greater security exposure
D. can use existing network management tools

Answer: B,D

QUESTION 196
When migrating from 1 Gb FC SAN to 2 Gb FC SAN which two statements are
true? (choose two)

A. 1 Gb and 2 Gb SAN devices are compatible.
B. 1 Gb and 2 Gb SAN devices are not compatible.
C. Maximum distance between server and switch is increased.
D. Maximum distance between server and switch is decreased.

Answer: A,D

QUESTION 197
You have been asked to restore a database for an audit from the backup dated 31
December 2001 to a spare machine.
Which two storage issues cause the most risk to a successful restore, given that you
have enough storage assigned to the system? (choose two)

A. storage assignment
B. file system structure
C. host LVM/LDM structure
D. zoning and LUN masking

Answer: B,C

QUESTION 198
Which device enables a Fiber Channel transport/connection from a source host, and SCSI transport/connection from a target device to communicate by mapping the Fiber Channel ID to a SCSI address?

A. bridge
B. switch
C. director
D. SCSI extender

Answer: A

QUESTION 199
Which standard management agent resides in the file/record layer of the SNIA storage object model?

A. host
B. device
C. network
D. database

Answer: D

QUESTION 200
Which storage management component has the ability to display SAN fabric topology and perform zoning operations, but provides only minimal event information?

A. logical data manager
B. Fabric directory server
C. Storage network manager
D. Enterprise management system

Answer: C

QUESTION 201
What is the transfer communication method used in SCSI interfaces?

A. duplex
B. simples
C. full duplex
D. half duplex

Answer: D

QUESTION 202
Which tier of storage device and associated cost would store Certkiller .com's mission critical online data?

A. tier two, lower cost per terabyte
B. tier one, lower cost per terabyte
C. tier two, higher cost per terabyte
D. tier one, higher cost per terabyte

Answer: D

QUESTION 203
Which classification of storage virtualization is implemented through fireware in the storage array?

A. disk virtualization
B. block virtualization
C. filter/record virtualization
D. file system virtualization

Answer: A

QUESTION 204
Which two describe the SNIA SMI-S interoperability Conformance Test Program (ICTP)? (Choose two)

A. audits vendor test suit results to achieve ICTP logo
B. tests any device for compliance to one or more SMI profiles
C. delivers "plug fest" to validate compliance and achieve ICTP logo
D. provides "validation" of storage vendor implementation of an SMI-S release

Answer: B,D

QUESTION 205
Which three Fiber Channel components have World Wide Names? (Choose three)

A. HBA
B. Storage device port
C. Physical port in a hub
D. Physical port in a switch

Answer: A,B,D

QUESTION 206
Which two components are required in a specialized NAS operating system? (choose two)

A. user processes
B. network interface
C. storage management
D. application scheduling

Answer: B,C

QUESTION 207
Certkiller .com has implemented a high availability tape backup process that uses snapshots. The snapshots are backed up to tape. When checking the backup, the data is found to be corrupt.
Which two options will fix this problem? (choose two)

A. quiesce the application before backing up the data
B. unmount the file system before backing up the data
C. quiesce the application before creating the snapshot
D. unmount the file system before creating the snapshot

Answer: B,D

QUESTION 208
Which storage virtualization management technique uses the same path for both data and control?

A. Isas APPLICATION
B. IN-BAND APPLIANCE
C. STORAGE APPLIANCE
D. OUT-OF-BAND APPLIANCE

Answer: B

QUESTION 209
Which three are advantages of using a SAN in a campus environment? (choose three)

A. Consolidate storage in a data center
B. Increase storage resource utilization
C. Decrease network traffic due to backup
D. Decrease network traffic due to storage decentralization

Answer: A,B,C

QUESTION 210
Which drive type is considered a " dumb" drive in which the controller carries all the intelligence?

A. ATA
B. SCSI
C. SATA
D. Parallel ATA

Answer: B