

**Vendor:** CompTIA

**Exam Code:** SG1-001

**Exam Name:** CompTIA Storage+ Powered by SNIA Beta Exam

**Version:** Demo

### **QUESTION NO: 1**

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 NO: 2**

Which SMB security entity provides locking?

- A.** Share ACL
- B.** NFS export
- C.** Deny modes
- D.** CIFS authorization

**Answer:** **C**

### **QUESTION NO: 3**

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 NO: 4**

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](http://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 NO: 5**

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 NO: 6**

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 NO: 7**

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 NO: 8**

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 NO: 9**

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 NO: 10**

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 NO: 11**

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 NO: 12**

Which transport method requires correct electrical termination on both ends?

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

**Answer: D**

#### **QUESTION NO: 13**

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 NO: 14**

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 NO: 15**

Where is the virtualization performed that masks physical data layout?

- A.** Network **B.**  
FC switch **C.**  
Host/server
- D.** Storage device

**Answer:** D

## **QUESTION NO: 16**

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 NO: 17**

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 NO: 18**

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 NO: 19**

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 NO: 20**

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 NO: 21**

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 NO: 22**

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 NO: 23**

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 NO: 24**

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 NO: 25**

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 NO: 26**

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**