

Exam : SNIA S10-100

Title : Snia Atorage Network Foundations
Exam

Update : Demo

1. 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: AD

2. 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

3. 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

4. Which protocol is used for backups on an ethernet based network?

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

Answer: B

5. 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

6. What component is a configuration management element of an IP storage solution?

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

Answer: D

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

8. 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: BDE

9. 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

10. 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: ABC

11. A company'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

12. What is a shared communication infrastructure device to which nodes on a multi-point bus or loop are physically connected?

- A. hub

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- B. switch
 - C. gateway
 - D. managed switch

Answer: A

13. 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: AB

14. 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

15. 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: BD

16. 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

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

18. Which IP Storage protocol requires iSNS for discovery and management?

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

Answer: C

19. 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

20. 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

21. 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: BD

22. 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: CD

23. 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: ABC

24. 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

25. 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

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: CD

27. 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

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

Answer: B

28. 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

29. A company 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 online 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 fulfills 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

30. 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: BCD