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**Exam** : **E20-080**

**Title** : Network Storage - SAN  
Implementation

**Version** : Demo

1.Which of the following statements represents a feature of SnapView Clones?

- A. Data can be made available to second host immediately; no synchronization required
- B. Copy uses a fraction of Source LUN size
- C. Copy requires same space as Source LUN
- D. Data copy may be used as Source for backup application running on first host

Answer: C

2.XXXX .com has a primary CX600 array and a secondary CX400 array. XXXX .com wants to do data backup on the secondary site while the applications are still running on the primary site. How can XXXX .com accomplish this goal?

- A. Array types are not compatible
- B. Admsnap and PowerPath
- C. MirrorView and SnapView
- D. MirrorView and Navisphere CLI

Answer: C

3.Which of the following statements best describes a Fan-out Ratio for a SAN attached array?

- A. The qualified maximum number of initiators that can access a single Target port through a SAN
- B. The qualified maximum number of storage ports that can be attached to an initiator port in a SAN
- C. The qualified maximum number of storage ports that can be direct attached to a HBA port in a SAN
- D. The maximum number of HBA and storage ports that can be contained in a zone on a switch

Answer: A

4.Which of the following web interfaces can be used to manage standalone M-Series switches?

- A. Web interface is not available
- B. EWS
- C. Web Tools
- D. Fabric Manager

Answer: B

5.Which of the following components are required in order to enable write caching in a CLARiiON array?

- A. 2 power supplies, 2 storage processors, 4 DAE shelves and at least one standby power

supply

B. 2 power supplies, 2 storage processors, 2 LCC cards and at least one standby power

supply

C. 2 power supplies, 4 storage processors, 2 LCC cards and at least one standby power

supply

D. 2 power supplies, 2 storage processors, 2 DAE shelves and at least one standby power

supply

Answer: B

6.Which of the following is not a CLARiiON High Availability feature?

A. Dual consoles

B. Dual power supplies

C. Dual ported drives

D. Dual storage processors

E. Dual LCCs

Answer: A

7.What is the purpose of storage groups in a CLARiiON storage array?

A. LUN expansion

B. LUN mirroring

C. LUN groups

D. LUN masking

Answer: D

8.What is the default percentage of cache capacity at which high water mark cache flushing is initiated in a CLARiiON system?

A. 80%

B. 92%

C. 55%

D. 75%

Answer: A

9.Which two of the following are Celerra Replicator features?

A. Point-in-time copy over an IP network

B. Only sends Control Station configuration parameters over the IP network

C. Synchronous data recovery

D. Only sends changed data over the IP network

Answer: A,D

10.Which of the following protocols do open systems hosts use to access storage in Fibre

Channel SANs?

- A. SCSI
- B. ESCON
- C. SNMP
- D. FICON

Answer: A

11. Which two of the following statements are features of CLARiiON Access Logix?  
(Choose two.)

- A. LUN masking requires the use of storage groups
- B. The storage processors in the array do not share Access Logix databases
- C. Hosts need to be connected to the storage group to perform LUN masking
- D. Storage groups cannot be destroyed once created

Answer: A,C

12. Which of the following Celerra replication options offers synchronous replication over campus distances for disaster recovery?

- A. TimeFinder/FS SRDF/NearCopy
- B. TimeFinder/FS SnapSure
- C. TimeFinder/FS Snapcopy
- D. TimeFinder/FS SRDF/FarCopy

Answer: A

13. Which of the following are configuration options on the NS600 Data Movers? (Choose two.)

- A. One Data Mover is primary, and one acts as a standby
- B. All four (4) Data Movers are primary
- C. Both Data Movers are primary
- D. One Data Mover acts as a standby for the other three (3) Data Movers

Answer: A,C

14. Which of the following statements is true?

- A. Concurrent SRDF has the capability of dynamically defining relationships between SRDF Source (R1) and Target (R2) devices
- B. Concurrent SRDF has the ability to use both RAF processors for Fibre Channel host connections
- C. Concurrent SRDF enables SRDF between Symmetrix systems using Fibre Channel switches
- D. With concurrent SRDF, a single SRDF Source device (R1) can be simultaneously

paired with two SRDF Target devices (R2)

Answer: D

15. In the first step of the copy on first write mechanism used with Reserved LUN Pool, the host sends a write request to the Source LUN. What is the next step?

- A. The snapshot pointer is changed to chunk in Reserved LUN Pool
- B. The original Source LUN data chunk is written to Reserved LUN Pool
- C. The snapshot pointer writes to Reserved LUN Pool
- D. The host data is written to Source LUN

Answer: B

16. In the first step of a read cache miss operation on a Symmetrix, the host sends a read request. What is the next step?

- A. The Channel Director checks the track table
- B. The Channel Director sends data to the host
- C. The Disk Director retrieves data
- D. The Disk Director sends data to the host

Answer: A

17. Which of the following statements represents a feature of file level host storage access?

- A. The host sees Logical Volumes as Physical Volumes
- B. Data is accessed using NFS, CIFS, and FTP
- C. The host typically has exclusive access to Logical Volumes
- D. The storage system presents LUNs to hosts

Answer: B

18. Which of the following sequences would ensure that an I/O is completed when a HBA on a host with PowerPath fails when the I/O is being driven through it?

- A. PowerPath receives I/O timeout, drives I/O through an alternate path, and takes the failed path offline
- B. PowerPath receives I/O timeout, takes the failed path offline and drives I/O through an alternate path
- C. PowerPath takes the failed path offline, drives I/O through an alternate path, and receives I/O timeout
- D. PowerPath takes the failed path offline, receives I/O timeout and drives I/O through an alternate path

Answer: B

19. Which two of the following are features of TimeFinder/Mirror Clone? (Choose two.)

- A. Utilizes VDEVs
- B. Copy on access to allow for instant access to data
- C. Point in time copy of Standard or BCV device
- D. Requires only a small fraction of Source volume capacity

Answer: B,C

20.Which of the following statements is true regarding active zone sets in ControlCenter?

- A. Associate an active zone set with multiple fabrics or VSANs at once.
- B. Place a copy of an active zone set in the Planned Zone Sets folder for activation/modification.
- C. Directly modify an active zone set.
- D. Directly delete an active zone set.

Answer: B

21.Which of the following statements best describes ControlCenter Autofixes?

- A. Commands that can be run to fix a problem notification from an alert
- B. Rules containing all of the general criteria for storage allocation requests
- C. Groups of storage devices that SPS will search for available storage
- D. A collection of Symmetrix devices used to query status and impart control operations

Answer: A

22.What is the maximum number of CLARiiON Source systems that can be mirrored to one Target system?

- A. 16
- B. 4
- C. 2
- D. 8

Answer: B

23.Which of the following is monitored by the ControlCenter storage agent?

- A. Brocade switch
- B. Legato Networker
- C. CLARiiON
- D. Windows 2000 disk

Answer: C

24.Which of the following Windows-based applications in ControlCenter displays Symmetrix performance for analysis?

- A. Symmetrix Manager

- B. StorageScope
- C. TimeFinder/SRDF QoS
- D. Performance Manager

Answer: D

25. Which two of the following can you use to allocate CLARiiON LUNs to a server?  
(Choose two.)

- A. Connectrix Manager
- B. TimerFinder
- C. ESN Manager
- D. Navisphere Manager
- E. ControlCenter
- F. TimeFinder/Snap

Answer: D,E

26. Which of the following products can be used to create Logical Volumes on a Symmetrix system?

- A. ControlCenter Symmetrix Manager
- B. VisualSRM
- C. ControlCenter Automated Resource Manager
- D. ControlCenter StorageScope

Answer: A

27. Which of the following statements is true?

- A. ControlCenter agent activity is policy-based and user-defined
- B. ControlCenter agents can only be installed on the Repository server
- C. All ControlCenter agents communicate with each other
- D. ControlCenter agents tier handles data presentation

Answer: A

28. Which two of the following are iSCSI naming conventions? (Choose two.)

- A. EUI
- B. iQN
- C. iSNS
- D. DNS

Answer: A,B

29. Which of the following is monitored by the ControlCenter SAN agent?

- A. Brocade switch

- B. Windows 2000 disk
- C. Legato Networker
- D. CLARiiON

Answer: A

30.What is the purpose of the Performance Manager in ControlCenter?

- A. It automatically allocates storage device to hosts
- B. It splits and establishes with standard and Business Continuance Volume (BCV) devices
- C. It reports key historical performance data
- D. It converts device types between standard and BCV

Answer: C