

**Exam Code:** 000-210

**Exam Name:** IBM Storage Networking Solutions, Version 4

**Vendor:** IBM

**Version:** DEMO

## **Part: A**

1: Which type of security should be implemented to control device to storage connections in a heterogeneous environment?

- A.WWN Access Control Lists
- B.LDAP hosted on a Linux server
- C.NFS with Windows userID mapping
- D.CIFS with Samba

**Correct Answers: A**

2: Which backup solution provides the fastest access to online data?

- A.LTO4
- B.Nearline
- C.SnapDrive
- D.MultiStore

**Correct Answers: B**

3: A customer's SAN infrastructure consists of a Cisco MDS 9500 director. The customer recently purchased 1,000 IBM Intel blade servers. Due to scalability concerns, the new Intel blade servers were deployed in VSAN-11. The blade servers must access N5600 storage, but the IBM N5600 storage subsystem is connected in VSAN-10. What is the correct solution?

- A.use VSANs, LSANs, and FCIP routing
- B.use iFCP routing with an IBM SAN04M-R multi-protocol SAN router
- C.merge VSAN-10 and VSAN-11 into VSAN-12 on the MDS 9500 director
- D.use Inter-VSAN routing between VSAN-10 and VSAN-11 on the MDS 9500 director

**Correct Answers: D**

4: A customer has two fabrics in two locations that are 10 km apart. The customer needs an FC connection from a server in location 1 to a storage system in location 2. What should be used to connect the two fabrics in the most cost effective manner?

- A.IBM SAN32B-3 switches
- B.IBM TotalStorage SAN18-R routers
- C.DWDMs
- D.CWDMs

**Correct Answers: B**

5: Which Windows Host software is required to attach to an N series using iSCSI?

- A.iSCSI support kit
- B.iSCSI Windows Host utility
- C.Microsoft iSCSI Software Initiator
- D.Microsoft iSCSI Multipath Driver

**Correct Answers: C**

6: A customer is migrating from older SAN-M directors to new SAN-B Type directors. Where can

the customer obtain information to assist on the SAN migration?

- A.RedBook on Implementing IBM SAN and Interoperability Matrix
- B.Interoperability Matrix and Disk Magic
- C.Interoperability Matrix and SAN Solution Assurance Product Review (SAPR) guide
- D.SAN Installation Guide and SAN Solution Assurance Product Review (SAPR) guide

**Correct Answers: A**

7: In a disaster recovery plan, what is the Recovery Time Objective (RTO)?

- A.the amount of time it takes to restore a system's resources
- B.the time of day at which data must be restored
- C.the time at which there was a break in the business process
- D.the acceptable amount of time it takes to restore data

**Correct Answers: D**

8: A customer wants to update the MS Windows file server, which is serving five IP-attached clients. Which protocol the lowest-cost solution?

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

**Correct Answers: C**

9: A customer is implementing a synchronous replication solution for business critical data. To meet the Recovery Point Objective and the Recovery Time Objective, the peak bandwidth requirement was calculated to be 150MB/s. The customer has older switches that are only capable of 1Gb/s connections. Following the best practice guidelines for high availability, redundant design, how many long-distance connections should be planned?

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

**Correct Answers: C**

10: A customer wants to create a second set of their database application to run tests against, and wants the database to be as close to production as possible, without creating any impact to the production environment. Which offering is the most cost-effective way to accomplish this?

- A.SyncMirror
- B.SnapMirror
- C.FlexCache
- D.FlexClone

**Correct Answers: D**

11: A customer has a highly available IBM TSM backup solution. The AIX server has two HBAs and uses an IBM TS3500 LTO tape library and DS4800 storage. The customer is experiencing

backup failures due to link loss conditions with the tape drive. Which design should prevent these backup failures?

- A.upgrade the TSM server to support Server-Free backup
- B.separate the HBAs in the server to minimize optical crosstalk
- C.add HBAs to the server and add separate tape and disk zonesets
- D.add HBAs to the server and add separate tape and disk LUN masking

**Correct Answers: C**

12: A customer's N5200-G20 requires maintenance on one of its controllers and needs to be brought offline. Which feature of the N5200-G20 allows for seamless operations during this planned downtime?

- A.RAID-DP
- B.Active-Active
- C.Redundant Power Supplies
- D.Data ONTAP

**Correct Answers: B**

13: A customer has an IBM System Storage N series with MetroCluster for rapid recovery. What are the two available solutions?

- A.Stretch and Fabric
- B.FlexShare and FlexClone
- C.FCP and iSCSI
- D.SnapVault and SnapMirror

**Correct Answers: A**

14: Which N series feature should be used for regulatory compliance and long-term integrity of data?

- A.SnapLock
- B.SnapVault
- C.SnapManager
- D.Snapvalidator

**Correct Answers: A**

15: Which statement is true about merging two Fibre Channel SAN fabrics?

- A.The switch port speed and negotiation must be the same.
- B.The switch firmware must be the same version on the resulting merged fabric.
- C.The switch zones must match, and the switches must have different Domain IDs.
- D.The switches must all have the same number of ports.

**Correct Answers: C**

16: A customer's primary data center has a Cisco MDS 9500 (2054-E07) with one open slot. The customer wants to establish a connection with a remote data center that is located 350 km away. The remote data center has an IBM 2054-E07 with an open slot. Which module should be added at both data centers to provide connectivity, using a WAN connection, between the two sites?

- A.CWDM Module
- B.8-port IP Module
- C.12-port FC Module
- D.48-port FC Module

**Correct Answers: B**

17: A customer wants data center consolidation. The existing environment consists of several SAN fabrics from multiple vendors. Which analysis tool is used to evaluate this environment?

- A.Cisco VSAN
- B.Brocade SAN Health Assessment
- C.EFCM
- D.TotalStorage Productivity Center

**Correct Answers: D**

18: A customer wants to implement VSANs on redundant Cisco Storage MDS 9509 directors (2054-E07) for the tape backup solution. There will be three VSANs, one for each of the following:

- all disk storage ports and all host ports (VSAN 1)
- tape drives (VSAN 2)
- FICON traffic (VSAN 3)

Which Inter-VSAN Routing (IVR) method is appropriate to enable Inter-VSAN zones?

- A.establish IVR between VSANs 1 and 2
- B.establish IVR between VSANs 1 and 3
- C.establish IVR between VSANs 2 and 3
- D.enable IVR in automatic mode

**Correct Answers: A**

19: What are the three distinct Fibre Channel topologies?

- A.switched fabric, logical start, hub cascading
- B.point-to-point, arbitrated loop, switched fabric
- C.point-to-point, hub cascading, switched fabric
- D.switched fabric, logical start, point-to-point

**Correct Answers: B**

20: A customer wants LAN-free backups. This customer plans to offload storage processing from servers and move this function onto an independent network. Which solution best meets this customer's needs?

- A.Storage Area Network (SAN)
- B.Fibre Channel Over IP (FCIP)
- C.Network Attached Storage (NAS)
- D.Fibre Channel Over Ethernet (FCOE)

**Correct Answers: A**