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## Q&A

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**Exam** : **000-117**

**Title** : IBM Entry Level High  
Volume Storage and Sales

**Version** : DEMO

1. Which storage technology allows the greatest distance between the server and the storage without use of routers or other devices?

- A.iSCSI
- B.SAS
- C.SCSI
- D.Fibre Channel

**Answer: D**

2. When trying to calculate usable disk space while modeling different RAID levels, what tool would you use?

- A.PSxRef
- B.COG
- C.DS4000 Space Calculator
- D.Storage Magic

**Answer: C**

3. Which is a capability of Enhanced Remote Mirroring (ERM)?

- A.One-to-many copy replication
- B.One-to-One copy replication
- C.Replication to a DS3000 storage system
- D.Multiple consistency groups

**Answer: B**

4. A customer is running a database in a Linux cluster environment. What solution should be used to provide a stable environment for Data Sharing?

- A.Commonstore
- B.DS3300 with IP Replication
- C.General Parallel File System (GPFS)
- D.Linux server with DS3400 storage systems

**Answer: C**

5. A customer's major concern is the high cost of implementing a Storage Area Network. They need to consolidate storage and share data while utilizing existing network infrastructure.

Which IBM product should be proposed?

- A.DS3300 Storage Systems
- B.DS3200 Storage Systems
- C.DS4700 Storage Systems
- D.SAN Volume Controller

**Answer: A**

6. Which of the following topics should be discussed with the customer FIRST, prior to designing a backup and recovery solution?

- A. Off-site tape recovery
- B. Disaster Recovery Plan (DRP)
- C. Recovery Point Objective (RPO)
- D. Availability of a secondary site

**Answer: C**

7. Your customer needs the ability to provision many servers into his infrastructure quickly and have on demand access to storage within their Ethernet network. Which storage system would provide ease of on demand storage with the customer's current infrastructure?

- A. DS3200
- B. DS3300
- C. DS3400
- D. EXP3000

**Answer: B**

8. A customer has identified that their storage needs are growing 12% to 15% per year. Their current storage requirements are 22TB and will need 6TB more within the next three months. What discussion points should you target with your customer to address their concerns?

- A. DS3400 supports hot add drive and EXP3000 for on demand storage provisioning
- B. DS4200 supports RAID 0, 1, 3, 5, 6, 10 for added data protection
- C. DS3300 supports iSCSI for low cost access of multiple servers
- D. DS4700 supports RedHat Linux with Samba for storage sharing

**Answer: A**

9. A rapidly growing customer is concerned with the possibility of a natural disaster occurring in the area. They currently have two System X servers, both being backed up locally to an IBM TS3200 Tape Library. Tapes are taken offsite nightly.

What is the next level of disaster recovery keeping cost as a concern?

- A. Activate Enhanced Remote Mirroring between the production and remote location.
- B. Make multiple copies of the data each night for local and remote use.
- C. Move the tape library to a remote location and perform backups nightly.
- D. Duplicate the existing production environment at a remote location.

**Answer: C**

10. When migrating older data from a more expensive disk to a less expensive disk, which of the following

drive technologies would be the most appropriate choice for housing the migrated data?

- A.Ultra SCSI
- B.EIDE
- C.SAS
- D.SATA

**Answer: D**

11. A customer is concerned with their growing database. Currently they have System x servers with SCSI drives. They are concerned about performance.

What are some of the issues to improve performance keeping cost as a concern?

- A.Activate additional cache modules
- B.Change to 15k RPM FC disk drives
- C.Move the database onto networked attached storage
- D.Change RAID Configuration on the storage

**Answer: B**

12. A customer is considering using a archived data management application. Which of the following drive technologies would be the most appropriate choice for housing the archived data?

- A.SATA
- B.EIDE
- C.SAS
- D.Ultra SCSI

**Answer: A**

13. A customer has a heterogeneous environment. They want the ability to scale their storage infrastructure to meet rapidly changing business conditions.

Which of the following would be most appropriate to discuss with the customer?

- A.Business Continuity
- B.On Demand Environment
- C.Tiered Storage Hierarchy
- D.Information Lifecycle Management

**Answer: B**

14. A customer needs storage with at least 2GB of battery-backed cache per controller and at least 12 drives. Which solution meets the customer's requirements?

- A.EXP3000
- B.DS3200
- C.DS3400

D.DS4700

**Answer: D**

15. A customer has a DS4000 and a tape library. They have expressed a concern that the storage is not being utilized effectively. You have been asked to present a short presentation on Information Lifecycle Management.

Which of the following is a key point to highlight during the presentation?

- A. Running Global Mirror for remote replication
- B. Archiving infrequently accessed data to less expensive storage
- C. Consolidating multiple storage controllers to one disk solution
- D. Migrating data to new tape technology to increase library capacity

**Answer: B**

16. A customer has a DS3300 and a tape library. They have expressed a concern that the SAS, SATA and tape storage is not being utilized effectively. You have been asked to give a short presentation on all forms of backup and recovery, including Advanced Copy Services.

Which of the following is a key point to highlight during the presentation?

- A. Running FlashCopy for point-in-time copies to streamline backup process
- B. Using Volume Copy to migrate infrequently accessed data to less expensive storage
- C. Consolidating multiple storage controllers to one disk solution
- D. Migrating data to new tape technology to increase library capacity

**Answer: B**

17. A customer asks you to recommend a storage subsystem that supports SATA ONLY. Which IBM storage model would you recommend?

- A. DS4700
- B. DS3300
- C. EXP810
- D. DS4200

**Answer: D**

18. A customer is planning a VMware VI3 installation and will be using VMotion. Initially they need 2TB with the ability to grow up to 14TB of Fibre Channel disk space and redundant connections for up to three servers without the use of switching. What is the storage solution that meets these requirements?

- A. EXP3000
- B. DS3200
- C. DS3400
- D. DS4700

**Answer: D**

19. The customer has a messaging system running on a server with internal SCSI drives. The customer believes that they need to convert to updated storage. What type of storage solution does the customer have, and what would be easiest IBM Storage Subsystem to implement to satisfy their requirements?

A.NAS - EXP1000

B.DAS - DS3200

C.SAN - DS4200

D.DAS - DS4700

**Answer: D**

20. In order to mirror data over a typical WAN using the Enhanced Remote Mirroring premium feature, which of the following devices needs to be provided as part of the overall solution?

A.FC to IP router

B.DS3300

C.x3650 with ServRAID Card

D.SCSI to Fibre channel bridge

**Answer: A**