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**Exam** : **C4090-451**

**Title** : Midrange Storage Technical  
Support V3

**Version** : DEMO

1.Which N series software enables cost-effective, long-term retention of rapidly restorable disk-based backups?

- A.SnapMirror
- B.SnapRestore
- C.SnapVault
- D.SnapLock

**Answer: C**

Reference: <http://www-03.ibm.com/systems/storage/network/software/> (see open system snapvault, second bullet)

2.A customer currently has an EMC block storage system using flash drives and wants to replace the EMC With an IBM solution that has similar automated features.

Which IBM midrange solution and feature should the technical specialist recommend?

- A.Storwize V7000 and Easy Tier
- B.Storwize V7000 Unified and Active Cloud Engine
- C.DS3524 and Dynamic Disk Pooling
- D.SAN Volume Controller and Metro Mirror

**Answer: A**

3.The Dynamic Disk Pool function in a DCS3700 requires what minimum number of disk drives?

- A.8
- B.10
- C.12
- D.24

**Answer: B**

Reference:

[http://pic.dhe.ibm.com/infocenter/sonasic/sonas1ic/index.jsp?topic=%2Fcom.ibm.sonas.doc%2Fdcs\\_con\\_figdcs37kstorage.html](http://pic.dhe.ibm.com/infocenter/sonasic/sonas1ic/index.jsp?topic=%2Fcom.ibm.sonas.doc%2Fdcs_con_figdcs37kstorage.html)

4.What IBM N series software provides storage- enforced WORM and retention functionality by using open file protocols such as CIFS and NFS?

- A.SnapLock
- B.SnapVault
- C.SnapDrive
- D.SnapMirror

**Answer: A**

Reference: <ftp://ftp.software.ibm.com/storage/isv/NS3444-0.pdf> (page 41, last para)

5.A customer's current backup solution uses NetBackup that is configured for "backup to disk".The customer has custom batch files to copy the "backup to disk" data to a NetBackup server at a secondary location.During a recent internal audit this solution failed to meet reliability requirements.The audit results mandated that the customer replace "backup to disk" with a tape solution while continuing to get the backup data to a second site.

Which of the following tape solutions can replace "backup to disk" while providing data replication to a

second site?

- A.TS7700
- B.TS3200
- C.TS3100
- D.TS7620

**Answer: D**

6.A hospital is looking for a file server on which to archive medical images.There are currently 100 TB of medical images and the archive is projected to grow at 15% per year.The hospital compliance department requires write locking (WORM) for some medical images and the hospital is looking to use compression and deduplication technologies to minimize the growth in physical disk space.

Which of the following devices meets the hospital's requirements?

- A.Storwize V7000
- B.Storwize V7000 Unified
- C.DCS3700
- D.N series 6000 filer

**Answer: D**

7.What tool could be used with Easy Tier on a Storwize system to determine the amount of Solid State Disk that Easy Tier can utilize?

- A.Disk Magic
- B.Storage Tier Advisor Tool
- C.Capacity Magic
- D.Comprestimator

**Answer: B**

Reference:

[http://www-03.ibm.com/support/techdocs/atsmastr.nsf/c6192fb3a432612485256d970082de57/63273e3fb531f00b8625781c00268a69/\\$FILE/EasyTier%20for%20Oracle.pdf](http://www-03.ibm.com/support/techdocs/atsmastr.nsf/c6192fb3a432612485256d970082de57/63273e3fb531f00b8625781c00268a69/$FILE/EasyTier%20for%20Oracle.pdf) (page 22)

8.A potential storage customer has a large VMware environment which is managed by a small staff TN are looking at the IBM DCS3700 series storage with Dynamic Disk Pools.

Which of the following would allow the VMware administrators ease of management for Dynamic Disk Pools?

- A.IBM DS Series vCenter Plug-In
- B.Tivoli Storage Productivity Center
- C.Disk Magic
- D.Tivoli Storage Manager

**Answer: A**

9.The IBM TS3310 is a midrange LTO tape library.

What is the maximum number of LTO tape drives in a fully configured TS3310?

- A.22
- B.18
- C.12

D.16

**Answer: B**

10.A customer is looking for a storage solution with integrated Information Lifecycle Management (ILM).IT management requires that the ILM implementation be fully automated and transparent to the users.

Which storage solution meets these requirements?

A.TS3500 with LTFS

B.Storwize V3700

C.N6250

D.Storwize V7000 Unified

**Answer: D**