

Hitachi

Exam HH0-120

Hitachi Data Systems Storage Foundations - Modular Exam

Version: 6.0

[Total Questions: 262]

Topic 1, Volume A**Question No : 1 - (Topic 1)**

You have created a P-Vol/S-Vol pair. Which two commands can you use to check that the P-Vol and S-Vol are synchronized? (Choose two.)

- A. raidscan
- B. paircheck
- C. pairstatus
- D. pairdisplay

Answer: A,D

Question No : 2 - (Topic 1)

Which two features of Hitachi Copy-on-Write Snapshot enable the rapid creation of a data copy? (Choose two.)

- A. Data Pool save area
- B. Quick copy provisioning
- C. Pointer-based snapshots
- D. ShadowImage integration

Answer: A,C

Question No : 3 - (Topic 1)

Once ShadowImage has created a copy of system data, what are three valid uses for the copied data? (Choose three.)

- A. disaster recovery
- B. backup and recovery
- C. journaling application
- D. application development
- E. data mining application

Answer: B,D,E

Question No : 4 - (Topic 1)

As related to disaster recovery, which two statements are true about "write sequencing"?

(Choose two.)

- A. Most backup solutions manage write sequencing.
- B. It is important in a disaster that occurs over a time period.
- C. The order in which Fibre Channel paths are created is important.
- D. The order of updates on the secondary array is critical to data integrity.

Answer: B,D

Question No : 5 - (Topic 1)

When connecting modular storage to TagmaStore USP storage devices, a software tool must be used in order to define the Command Control Interface (CCI) and apply security. What is the name of the tool for defining the CCI and security?

- A. Port Manager
- B. LUN Manager
- C. SCSI Manager
- D. Tiered Storage Manager

Answer: B

Question No : 6 - (Topic 1)

TrueCopy offers synchronous and asynchronous capabilities. What are two advantages of asynchronous operation? (Choose two.)

- A. No data loss
- B. Faster disaster recovery

- C. Supports longer distances
- D. Lesser impact on host performance

Answer: C,D

Question No : 7 - (Topic 1)

An IT operations manager needs to forecast hardware purchases for the coming fiscal year. The manager has been assigned a HiCommand Tuning Manager login in order to accomplish this task. Which security level is appropriate for the manager?

- A. Users
- B. Operators
- C. Managers
- D. Administrators

Answer: A

Question No : 8 - (Topic 1)

A customer is using a 9585V storage array and is evaluating whether to upgrade to an AMS500 for performance reasons. Which statement is true?

- A. The AMS500 supports larger drive sizes.
- B. The AMS500 provides more back-end loops.
- C. The AMS500 supports faster back-end loops.
- D. The AMS500 supports faster Fibre Channel host connections.

Answer: D

Question No : 9 - (Topic 1)

A brokerage firm wants to allocate appropriate amounts of storage for the high-volume requirements of trading operations including the mid-volume requirements of their human resources department. Which HiCommand Suite product enables the storage manager to

do this?

- A. Tuning Manager
- B. Device Manager
- C. Provisioning Manager
- D. Business Continuity Manager

Answer: B

Question No : 10 - (Topic 1)

A customer has recently acquired a competitor and they are in the process of evaluating the newly expanded network. Which two types of data can HiCommand Storage Services Manager collect relative to capacity and performance? (Choose two.)

- A. Historical data
- B. Real time data
- C. Trend analysis data
- D. Tape device utilization data

Answer: A,B

Question No : 11 - (Topic 1)

A customer uses Copy-on-Write Snapshot to create a point-in-time copy (V-VOL) of their data for backup. When can the snapshot be used to backup the production data?

- A. Immediately
- B. After all data is copied to V-Vol
- C. After all data is copied to Data Pool
- D. After the production volume is shut down

Answer: A

Question No : 12 - (Topic 1)

A customer requires a new modular storage array which will use parity for data protection. When a drive fails in a RAID 5 group, the remaining disks are each a single point of failure. A requirement is that the vendor must minimize the amount of time the array is in a single point of failure state following a disk failure. Which two features of the AMS500 support the requirement? (Choose two.)

- A. RAID 6
- B. RAID 5+1
- C. Dynamic Sparring
- D. Fast Disk Rebuild

Answer: A,C

Question No : 13 - (Topic 1)

During a customer install of an AMS subsystem the controller ports do not log into the SAN fabric. The port indication light on the SAN switch indicates a port login failure. Using the Storage Navigator Modular GUI you need to configure the AMS Fibre Channel controller to work with their SAN fabric. Which topology would you select in Storage Navigator that would allow you to connect to their SAN switch?

- A. Point-to-point
- B. F-port connection
- C. N-port connection
- D. AL-PA private loop

Answer: B

Question No : 14 - (Topic 1)

A customer has an AMS200 configured in Dual Active Mode and has installed the Hitachi Dynamic Link Manager software. What is the access method for LUs?

- A. Each LU has a single path.
- B. Each LU is accessible through all paths.
- C. Only LUs which use FC disks are multipathed.
- D. Each LU is accessible through all paths to one controller.

Answer: D

Question No : 15 - (Topic 1)

You set a warning threshold to take pre-emptive action when a critical resource approaches an unacceptable capacity level. What are two examples of critical resources that could affect application performance? (Choose two.)

- A. Buffer-to-buffer credit depletion
- B. The performance of a disk parity group
- C. A binding alert on all servers on a subnetwork
- D. Available free space in a critical file system or database

Answer: B,D

Question No : 16 - (Topic 1)

A customer is lowering their recovery time objective (RTO) and increasing the integrity of their backups by using backup to disk. The production data is on a TagmaStore USP. Which HDS array provides the most cost effective solution for backup to disk?

- A. USP100
- B. AMS500
- C. AMS200
- D. WMS100

Answer: D

Question No : 17 - (Topic 1)

What is the maximum number of cache partitions available for the AMS500?

- A. 8 partitions
- B. 12 partitions
- C. 16 partitions

D. Unlimited partitions

Answer: C

Question No : 18 - (Topic 1)

A customer has a storage array that supports a large MS Exchange environment. The array is bottlenecked at the array host ports. The customer has a requirement for a new modular array that will solve this problem. Which AMS500 feature will support the requirements of this requirement?

- A. 4 Gb/s host FC ports
- B. Two CPUs per controller
- C. Four host ports per controller
- D. Intel Pentium IV 3Ghz CPUs in the controllers

Answer: A

Question No : 19 - (Topic 1)

A customer has a Hitachi Data Systems modular array configured with only one controller. If there is a failure in the cache module, what is the result to write-pending data?

- A. Write-pending data is lost.
- B. Write-pending data is preserved in NVRAM.
- C. Host is notified and resends all committed writes.
- D. With a single controller, data is written to disk not cache.

Answer: A

Question No : 20 - (Topic 1)

A customer wishes to minimize disruptions due to planned or unplanned outages. Which two features of Hitachi Copy-on-Write Snapshot facilitate these requirements? (Choose two)

- A. Metadata cache copy
- B. Background copy of data to snapshot
- C. Non-disruptive backups from a Copy-on-Write Snapshot V-Vol
- D. Periodic point-in-time copies for rapid restore of corrupted data

Answer: C,D

Question No : 21 - (Topic 1)

Your network has encountered a bottleneck and you have eliminated the Oracle application server's resources and the SAN switch fabric as root causes. Using HiCommand Tuning Manager which two steps should you take to resolve the bottleneck? (Choose two.)

- A. Investigate cache percentage utilized.
- B. Investigate destage time for write I/Os.
- C. Investigate the I/O consumption for each server.
- D. Investigate I/O activity on the parity groups used by the application's LDEVs.

Answer: A,D

Question No : 22 - (Topic 1)

A customer has a high performance application that creates a bottleneck at the front-end ports. Which two arrays are supported Hitachi Data Systems configurations? (Choose two.)

- A. AMS500 with four 4Gb/s host ports
- B. AMS500 with eight 2Gb/s host ports
- C. Thunder 9585V with four 4Gb/s host ports
- D. Thunder 9585V with eight 2Gb/s host ports

Answer: A,D

Question No : 23 - (Topic 1)

IT centers that have Microsoft Windows production systems that must operate in a highly

available 24 x 7 environment require business continuity support. Which HDS solution provides support for this need with MS Windows plug-and-play?

- A. Protection Manager
- B. Provisioning Manager
- C. Dynamic Link Manager
- D. Business Continuity Manager

Answer: C

Question No : 24 - (Topic 1)

Which three statements are true for the WMS100, AMS200 and AMS500 models? (Choose three.)

- A. WMS100 has two back-end loops.
- B. AMS200 and WMS100 have four back-end loops.
- C. AMS500 has four loops and WMS100 has two loops.
- D. WMS100 Fibre Channel interface are mounted on separate modules.
- E. Fibre Channel interface of AMS200 is mounted directly on the motherboard.

Answer: A,C,E

Question No : 25 - (Topic 1)

A medium sized company has a small SAN with three Thunder 9580V subsystems. They have purchased HiCommand Device Manager as a way to centrally manage the storage. You dispatch HiCommand Device Manager agents on each server on their SAN. What are two advantages of adding the agents to the servers? (Choose two.)

- A. To provision host-side storage
- B. To retrieve HBA performance metrics
- C. To retrieve information about the visible storage on the host
- D. To retrieve zoning information from the Fibre Channel switch

Answer: A,C