Huawei

H13-611

HCNA-Storage-BSSN(Building the Structure of Storage Network)

Version: 9.0

[Total Questions: 223]

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Question #:1

Which of the following is NOT a port name in Fibre Channel.

   A. FL_Port

   B. E_Port

   C. TX_Port

   D. U_Port

Answer: C

Question #:2

What statement about the SATA and SAS technologies is true?

   A. Both use serial communication.

   B. SATA and SAS support the same maximum number of devices on the bus.

   C. Both use full-duplex communication.

   D. Both SATA and SAS are intelligent protocols with intelligent devices.

Answer: A

Question #:3

CIFS can be run on UDP as well as on TCP

   A. TRUE

   B. FALSE

Answer: B

Question #:4

Which statement is true about RAID 2.0+?

   A. Chunks belonging to a file will never be written on the same physical disk.

B. RAID 2.0+ has a higher RAID overhead than traditional RAID types.

C. With RAID 2.0+ it is supported to select no hot spare disks.

D. RAID 2.0+ allows for a complete enclosure to fail without causing data loss.

Answer: C

Question #:5

Which of the following statements about RAID 5 are correct? (Multiple Choice)

A. RAID 5 has fixed parity disks,

B. RAID 5 uses the XOR algorithm for parity,

C. RAID 5 writes data by stripes.

D. RAID 5 tolerates the failure of a maximum of two member disks without losing data.

Answer: B C

Question #:6

Statement 1: A disk drive with a high latency performs better than a disk drive with a low latency. Statement 2: A smaller seek time means that the disk performs better.

A. Statement 1 and 2 are true.

B. Statement 1 is true; Statement 2 is false.

C. Statement 1 is false; Statement 2 is true.

D. Statement 1 and 2 are false.

Answer: C

Question #:7

Which of the following dimensions are often used to express the data used in Big Data scenarios? (Multiple Choice)

A. Variety

B. Volume

C. Velocity

D. Verticality

Answer: A B C

Which of the following is the end that receives and processes the SCSI commands?

A. LUN.

B. Storage.

C. Target.

D. Initiator.

Answer: C

Lifecycle Management Of Information and Data consists of 5 different stages. Which of the following is the second stage?

A. Maintenance.

B. Transmission.

C. Generation.

D. Usage.

Answer: B

Big Data refers to the process of collecting/ processing and analyzing vast amount of data and information to gain valuable insights.

A. TRUE

B. FALSE

Answer: A

Which of the following disk interface technologies use serial interface technology?

(Multiple Choice)

    A. ATA

    B. SATA

    C. sas

    D. IDE

Answer: B C D

Which of the following statements about RAID technology are correct?

(Multiple Choice)

    A. Disks are striped for storing data blocks, shortening the mechanical seek time and accelerating data access.

    B. Several disks in an array are accessed simultaneously (parallel access), shortening the mechanical seek time and accelerating data access.

    C. Current RAID technology only uses the parity check mechanism to protect data.

    D. Performance of all RAID levels increases with the number of member disks.

Answer: A B

Which is the correct formation order of the following elements in RAID 2.0+?

    A. LUN -> CK -> CKG -> Extent -> LD

    B. LD -> CKG -> CK -> Extent -> LUN

    C. LD -> CK -> CKG -> Extent -> LUN

    D. LD -> Extent -> CKG -> CK -> LUN

Answer: C

Question #:14

Statement 1: We have a a RAID5 protected group of disks. The protection level increases if we add more disks to the group. Statement 2: With a RAID 10 set the number of disks must be greater than 8 to always survive a dual disk failure.

    A. Statements 1 and 2 are both true.

    B. Statement 1 is true and statement 2 is false.

    C. Statement 1 is false and statement 2 is true.

    D. Both statements 1 and 2 are false.

Answer: D

Question #:15

A user is having intermittent problems connecting to their shared network storage, A network technician is able to determine that there is a problem within the network cabling in between the workstation and the switch. All other users are able to connect successfully to the network. Which of the following is the MOST likely cause?

    A. Patch cable is a crossover cable instead of straight-through.

    B. Cable has been cut somewhere within the wall.

    C. Crosstalk and interference are occurring.

    D. Cable is not connected at the patch panel.

Answer: C

Question #:16

Statement 1: Fiber optic cables must be bended with a minimum radius of 10 centimeters. Statement 2: Bends and dirt causes the light signal to be weaker and the sensor cannot detect the light pulse then.

    A. Statement 1 and 2 are true.

    B. Statement 1 is true; Statement 2 is false.

    C. Statement 1 is false; Statement 2 is true.

D. Statement 1 and 2 are false.

Answer: C

Which of the following statements about SAS is false?

A. SAS is a point-to-point, full-duplex, and dual-port interface,

B. SAS drivers are incompatible with SATA controllers.

C. SAS features high performance and high reliability compared with SCSI.

D. SAS offers powerful scalability compared to SATA.

Answer: B

Which of the following system model is a direct representation of the SCSI connection between the SCSI Initiator and Target?

A. Serverless Architecture.

B. Peer to Peer Architecture.

C. Browser/Client Architecture.

D. Client/Server Architecture.

Answer: D

When the RPO is minutes instead of hours the best backup method is traditional Tape backup.

A. TRUE

B. FALSE

Answer: B

A backup set is a group of data that is backed up in a batch. A backup set can be used for either full backup or incremental backup.

    A. TRUE

    B. FALSE

Answer: A

Question #:21

Select the correct statements that describes the properties of Distributed Storage Architecture.

(Multiple Choice)

    A. The storage nodes are centralized.

    B. The storage nodes are non centralized.

    C. Concurrent I/O access.

    D. Non concurrent I/O access.

Answer: B C

Question #:22

It is the interconnection via the Internet of computing devices embedded in everyday objects, which enables them to send and receive data. Which of the following fits the statement above?

    A. Cloud.

    B. Big Data.

    C. Social Media.

    D. Internet Of Things.

Answer: D

Question #:23

Which of the following are deployment modes of cloud computing? (Multiple Choice)

    A. Public cloud

B. Private cloud

C. Hybrid cloud

D. E-Government cloud

Answer: A B C

Question #:24

What is a storage array?

A. system that handles the communication of data from end users to its storage location and provide confirmation on successful storage.

B. A system that manages the network functions and carries the data traffic from host to storage.

C. A system that has the management software that can provide access to its sets of hard drives or tape libraries for the purpose of data access and storage.

D. A system that handles the interconnection of hosts to disks drives and allows hosts to directly access the disks and use it as local drives.

Answer: C

Question #:25

You need to manually set free disks as hot spare disks in a Huawei OceanStor V3 storage system when you use RAID 2.0+.

A. TRUE

B. FALSE

Answer: B

Question #:26

What applies to unstructured data? (Multiple Choice)

A. After being written, the data is not often modified.

B. Uncertain value.

C. Large capacity, rapid growth.

D. Long-term storage required.

Answer: A B C D

Which of the following technologies are able to quickly obtain valuable information from a variety of data types in a short period of time from a collection of vast amounts of data?

    A. Cloud.

    B. Big Data.

    C. Social Media.

    D. Internet Of Things.

Answer: B

In HUAWEI OceanStor V3, which licensed feature is best described as: periodically detects hot-spot data and promotes them from low-speed storage media to high-speed media.

    A. SmartMove

    B. SmartMigration

    C. SmartMotion

    D. SmartTier

Answer: D

Which of the following statements about storage file systems is incorrect?

    A. NAS file systems include CIFS and NFS.

    B. NAS file systems allow multiple servers running different operating systems to share files stored on public storage media.

    C. CIFS provides a way for NAS storage devices to share files in the UNIX environment.

    D. NFS provides a way for NAS storage devices to share files in the Linux environment.

Answer: C

Question #:30

SmartThin provided by HUAWEI OceanStor V3 storage systems is a technology that manages storage space by allocating storage resources on demand. Based on virtualization, SmartThin reduces physical storage resources to be deployed, maximizing storage space use efficiency.

   A. TRUE

   B. FALSE

Answer: A

Question #:31

When using LAN-based backups it is best to create a dedicated backup network.

   A. TRUE

   B. FALSE

Answer: A

Question #:32

Which of the following statements about LAN-based backup is incorrect?

   A. Instruction flows are transmitted over the LAN whereas data flows are not.

   B. The backup agent affects the performance of application servers.

   C. Backup data is based on LANs, affecting network performance.

   D. Backup jobs must be separately maintained, complicating management and maintenance.

Answer: A

Question #:33

Clustered NAS can provide concurrent multi-node access of data to hosts.

   A. TRUE

B. FALSE

Answer: A

Statement 1: Virtual Tape libraries allow for a highly scaleable backup strategy as storage can be added later.

Statement 2: Virtual Tape Libraries should be used when remote datacenters are NOT available.

A. Statements 1 and 2 are both true.

B. Statement 1 is true and statement 2 is false.

C. Statement 1 is false and statement 2 is true.

D. Both statements 1 and 2 are false.

Answer: B

Which command is used to query the version of a Red Hat Linux 5 operating system?

A. show version

B. find version

C. cat version

D. uname -a

Answer: D

Which of the following storage devices are non volatile?

(Multiple Choice)

A. RAM

B. Hard Disk

C. Magnetic Tape

D. DVD

Answer: B C D

Match the RAID level with the characteristics. (1) RAID 0 (2) RAID 5 (3) RAID 10 (4) RAID 6 (a) Cost effective (b) Allows double disk failure (c) Highest performance (d) No data protection

    A. 1-a; 2-d; 3-b; 4-c

    B. 1-d; 2-a; 3-c; 4-b

    C. 1-d; 2-a; 3-b; 4-c

    D. 1-a; 2-b; 3-c; 4-d

Answer: B

This device acts a multiport repeater, blindly regenerating and repeating any incoming electrical signal out all other ports, even ignoring CSMA/CD rules. Which of the following device fits the description?

    A. L2 Switches

    B. L3 Switches

    C. Router

    D. Hub

Answer: D

In an ICT infrastructure the servers can run different operating systems like Windows, Linux, AIX.

    A. TRUE

    B. FALSE

Answer: A

Statement 1: Disaster Recovery plans eliminate the need for backups on tape or disk.

Statement 2: With the design of the DR plan one should always assume the worst possible scenario.

    A. Statement 1 and 2 are true.

    B. Statement 1 is true; Statement 2 is false.

    C. Statement 1 is false; Statement 2 is true.

    D. Statement 1 and 2 are false.

Answer: C

Question #:41

Which of the following is the correct procedure for configuring a HUAWEI OceanStor V3 storage system?

    A. Creating a Storage pool -> Creating a LUN -> Adding a mapping.

    B. Creating a Storage pool -> Adding a mapping -> Creating a LUN.

    C. Creating a LUN -> Creating a Storage pool -> Adding a mapping.

    D. Creating a LUN -> Adding a mapping -> Creating a Storage pool.

Answer: A

Question #:42

Because of the addition of the Data Center Bridging technology .today iSCSI is, just as FC, a lossless protocol.

    A. TRUE

    B. FALSE

Answer: A

Question #:43

Why storage systems has more than one storage controllers in the Dual Storage Controller Architecture?

    A. 2 controllers can complete a single I/O operation much faster.

    B. To provide redundancy in case of failure of a single controller.

C. To have more energy savings since the performance is doubled.

D. Single storage controller architecture is obsolete.

Answer: B

Question #:44

Which of the following statements is incorrect?

A. A logical volume can reside on multiple physical disks. Data storage can be physically discontinuous.

B. A volume group is built on physical volumes. A volume group can contain one physical volume group or multiple physical volumes.

C. Physical volumes reside on the lowest layer in the logical volume manager. Logical volumes and volume groups are dependent on physical volumes.

D. Multiple volume groups can be created on the space of a logical volume.

Answer: D

Question #:45

Which of the following file system is most suitable for the storage of Big Data?

A. NTFS

B. EXT4

C. HDFS

D. BTRFS

Answer: C

Question #:46

Statement 1: The higher the number used to indicate the RAID level, the higher the overhead

Statement 2: RAID 10 stripes the data, then mirrors the stripe set.

A. Statements 1 and 2 are both true.

B. Statement 1 is true and statement 2 is false.

C. Statement 1 is false and statement 2 is true.

D. Both statements 1 and 2 are false.

Answer: D

Question #:47

Which of the following is not involved in the SCSI Protocol Addressing?

A. Host ID.

B. BUS ID.

C. Device ID.

D. LUN ID.

Answer: A

Question #:48

In a RAID 5 group comprised of three disks, if 10110110 and 11010011 are written to the same stripe on the two data disks, respectively, 01100101 is calculated using the XOR function and then written to the parity disk.

A. TRUE

B. FALSE

Answer: A

Question #:49

Which of the following is NOT a benefit of cloud datacenters?

A. Mainframe servers improve performance.

B. Virtualization technology improves resource utilization.

C. Distributed computing and storage improve reliability.

D. Unified resource management improves efficiency.

Answer: A

Question #:50

Which of the following is not a port type defined by Fibre Channel?

    A. E-Port

    B. F-Port

    C. G-Port

    D. NL-Port

Answer: D

Question #:51

What are the advantages of SSDs over HDDs?

(Multiple Choice)

    A. Larger capacity

    B. Faster read/write speed for random access

    C. Better environmental adaptability

    D. Longer service life

Answer: B C

Question #:52

Currently all OceanStor V3 devices support SAS at 12 Gb/s.

    A. TRUE

    B. FALSE

Answer: A

Question #:53

Which one of the following component is responsible for rotating the disk platter in the disk drive?

A. Spindle.

B. Actuator.

C. Control Circuit Board.

D. Read/Write Arm.

Answer: A

Question #:54

Based on the understanding of the Generation stage of the lifecycle management of information and data, identify the 3 types of sources in which data can be generated.

(Multiple Choice)

A. External System Generation.

B. Internal System Generation.

C. External Input.

D. Internal Input.

Answer: B C D

Question #:55

Which of the following statements about RAID 6 is incorrect?

A. Frequently used RAID 6 technologies include RAID 6 P+Q and RAID 6 DP.

B. RAID 6 requires two-level parity.

C. RAID 6 requires at least three member disks.

D. RAID 6 can recover data after two member disks fail.

Answer: C

Question #:56

When does data become information?

A. When it has been stored in the right file format.

B. When it has been stored in a digital form.

C. When the company understands the data and learns from it

D. AH of the above.

Answer: C

Question #:57

A device can have one WWPN but multiple WWNN's.

A. TRUE

B. FALSE

Answer: B

Question #:58

You are the storage administrator of a media company that stores a lot of media files such as videos. You are asked to propose a proper storage architecture for a new storage system that stores all the video and graphic files of the company. The requirement is that it could run on commodity hardware in a distributed manner for unstructured data. Choose which one of the following architecture would be the better option.

A. Block Storage Architecture.

B. Clustered NAS Storage Architecture.

C. Distributed Storage Architecture.

D. Distributed Object Storage Architecture.

Answer: D

Question #:59

Which of the following statements about switched fabric topology in Fibre Channel SANs is NOT true?

A. It is the most widely used topology that supports a maximum of 127 devices.

B. Multiple pairs of nodes connecting to switches can communicate simultaneously.

C. The fault of one node in a zone does not affect services on nodes in other zones.

D. The switches leverage zoning to manage network structure and provide the best interconnection form.

Answer: A

Question #:60

The HyperSnap functionality can be used to improve or optimize a company's backup strategy.

A. TRUE

B. FALSE

Answer: A

Question #:61

In a NAS environment entire files are sent across the ethernet based network. The NAS server however stores these files in the form as SCSI blocks mostly on multiple disks using RAID protection.

A. TRUE

B. FALSE

Answer: A

Question #:62

Which of the following are attached to the storage system serially? (Multiple Choice)

A. ATA Drive.

B. SAS Drive.

C. NL-SAS Drive.

D. IDE Drive.

Answer: B C

Question #:63

Each organization independently determines which data should be stored and for how long.

A. TRUE

B. FALSE

Answer: B

Statement 1: Multimode optic cables are usually longer than single mode cables.

Statement 2: Sharp cable bends lead to weaker signal at the end of the cable.

A. Statements 1 and 2 are both true.

B. Statement 1 is true and statement 2 is false.

C. Statement 1 is false and statement 2 is true.

D. Both statements 1 and 2 are false.

Answer: C

Storage array is a network device used to switching network signals or data. It can provide a dedicated communication channel between any 2 nodes in the network that is connected.

A. TRUE

B. FALSE

Answer: B

Statement 1: Multipathing is caused by adding redundant hardware.

Statement 2: Huawei offers a different version of Ultra Path for different operating systems.

A. Statements 1 and 2 are both true.

B. Statement 1 is true and statement 2 is false.

C. Statement 1 is false and statement 2 is true.

D. Both statements 1 and 2 are false.

Answer: A

Question #:67

A company that primarily has static data (like map data or JPG files) does not profit much from the HUAWEI OceanStor V3 SmartTier functionality.

    A. TRUE

    B. FALSE

Answer: A

Question #:68

Incremental backup requires the last full backup and each incremental backup to fully restore data. Data reconstruction is therefore slower compared with full backups.

    A. TRUE

    B. FALSE

Answer: A

Question #:69

Statement 1: An ICT infrastructure should be built with high end equipment and be located in one site.

Statement 2: A server is a rackmounted enterprise version of a desktop computer and typically has more than one hard disk installed.

    A. Statement 1 and Statement 2 are both True.

    B. Statement 1 is True; Statement 2 is False.

    C. Statement 1 is False; Statement 2 is True.

    D. Stament 1 and Statement 2 are both False.

Answer: C

Question #:70

HyperRepIication for HUAWEI OceanStor V3 can use FC links between the data centers. iSCSI links are not supported.

    A. TRUE

B. FALSE

Answer: B

To enable a Windows-based host to use the resources provided by a HUAWEI OceanStor V3 series storage device, perform the following operations:

1. Create a Disk Domain and a storage pool.

2. Create a host group and host.

3. Create a LUN group and LUN.

4. Configure an initiator on server and on storage device.

5. Connect the server to the storage device.

6. Format the logical disk.

7. Install the initiator software on server.

8. Mapping.

Place the steps in the proper order.

    A. 2 -> 3 -> 1 -> 4 -> 5 -> 6 -> 7-> 8

    B. 1 -> 2 -> 3 -> 4 -> 5 -> 6 -> 7 -> 8

    C. 2 -> 3 -> 1 -> 4 -> 8 -> 7 -> 5 -> 6

    D. 7 -> 5 -> 1 -> 3 -> 2 ->4 -> 8-> 6

Answer: D

SAS uses a point-to-point connection design to enable a dedicated link to be established between two devices in the communication.

    A. TRUE

    B. FALSE

Answer: A

Question #:73

What is included in every backup job?

(Multiple Choice)

    A. Cost of Downtime.

    B. Retention period.

    C. Application that uses the data.

    D. Backup type (full, incremental, differential).

Answer: B D

Question #:74

It provides connection between sets of nodes and allows the connected devices(nodes) to communicate with each other but it is not a device. Which of the following fits the above description?

    A. Host.

    B. Network.

    C. Storage Array.

    D. Switch.

Answer: B

Question #:75

Which of the following is NOT the characteristics of the active-active mode of a storage controller?

    A. Two controllers process the I/O requests from application servers concurrently.

    B. If a controller becomes faulty, the other takes over the work of the faulty controller without disrupting ongoing services.

    C. The primary controller processes the I/O requests from application servers and the secondary controller is in the idle state.

    D. The active-active mode achieves load balancing, full utilization of resources, and system performance improvement.

Answer: C

Which of the following methods provides the best RTO?

    A. Disk-To-Tape

    B. Disk-To-Disk-To-Tape

    C. Replication

    D. Virtual Tape Library

Answer: C

In order to make full use of storage resources, on which tier are SSDs usually configured in a tiered storage system?

    A. Capacity tier

    B. Performance tier

    C. High-performance tier

    D. Offline storage

Answer: C

Statement 1: FCoE is preferred over iSCSI because it uses fiber optic cables that can be much longer than Ethernet cables.

Statement 2: FCoE is preferred over iSCSI because we do not need any Ethernet switches anymore.

    A. Statements 1 and 2 are both true.

    B. Statement 1 is true and statement 2 is false.

    C. Statement 1 is false and statement 2 is true.

    D. Both statements 1 and 2 are false.

Answer: D

Question #:79

In a Red Hat Linux 5 operating system, which command is used to mount the sdb5 in the dev directory to the sdb5 in the mnt directory?

    A. cat /dev/sdb5 /mnt/sdb5

    B. In/dev/sdb5/mnt/sdb5

    C. mount /dev/sdb5 /mnt/sdb5

    D. df/dev/sdb5/mnt/sdb5

Answer: C

Question #:80

Which of the following statements about reconstruction is incorrect?

    A. RAID 0,1, 5, 6, and 10 support reconstruction.

    B. Reconstruction requires hot spare disks.

    C. Reconstruction affects system performance.

    D. Reconstruction does not interrupt system services.

Answer: A

Question #:81

Which of the following are the 3 layers of SCSI Target Model? (Multiple Choice)

    A. Network Layer.

    B. Port Layer.

    C. Middle Layer.

    D. Device Layer.

Answer: B C D

Question #:82

Statement 1: Deduplication reduces the amount of stored data.

Statement 2: Deduplication is performed on file level only.

    A. Statements 1 and 2 are both true.

    B. Statement 1 is true and statement 2 is false.

    C. Statement 1 is false and statement 2 is true.

    D. Both statements 1 and 2 are false.

Answer: B

Question #:83

In which layer in the architecture of a typical Big Data processing system does the data mining and business intelligence process are performed?

    A. Application/Presentation Layer.

    B. Data Processing Layer

    C. Data Analysis Layer.

    D. Data Storage Layer.

Answer: C

Question #:84

What is typical for a DAS solution?

(Multiple Choice)

    A. More scaleable in capacity than a SAN solution

    B. Consists of a server/host with its locally connected disk drives

    C. Sharing of files between DAS solutions is possible via the network.

    D. Backups are centrally made on a special backup server.

Answer: B D

Question #:85

Which of the following statements are true for a NAS solution?

(Multiple Choice)

    A. Cable length is around 10 m.

    B. Block size is configurable.

    C. CIFS and NFS are both commonly used protocols.

    D. NAS clients are connected to the NAS server using Ethernet switches.

Answer: D

Question #:86

ICT is a technological field that combines information technology and communication technology.

    A. TRUE

    B. FALSE

Answer: A

Question #:87

In HUAWEI OceanStor V3,what statement is true about SmartThin LUNs?

    A. Space will be reclaimed in all Windows operating systems when data is deleted in the OS.

    B. A Thin LUN cannot be converted into a Thick LUN.

    C. SmartThin must be enabled on all LUNs of a storage pool.

    D. SmartThin LUNs consume just a little storage capacity at the time they are created.

Answer: D

Question #:88

Which of the following statements about LAN-free backup is incorrect?

A. Backup data flows do not consume LAN resources.

B. The backup agent does not affect the performance of application servers.

C. Backup performance is improved compared to LAN- based backups.

D. Network performance is not affected.

Answer: B

Question #:89

The failure of an SSD is more predictable than that of other disk technologies.

A. TRUE

B. FALSE

Answer: A

Question #:90

Because they are cheap and still have a large capacity we can say that cMLC Solid State Disks are ideal for storing MP3 files and JPGs at home.

A. TRU

B. FALSE

Answer: A

Question #:91

The recovery point objective (RPO) is used to identify how much time lies between two backups.

A. TRUE

B. FALSE

Answer: A

Question #:92

Storage Pools cannot be created with a single tier of disks.

A. TRUE

B. FALSE

Answer: B

Question #:93

Which of the following is not a component of a backup system?

A. Backup software

B. Backup media

C. Backup server

D. Backup policy

Answer: D

Question #:94

SAN is a storage architecture that connects storage device and application servers through network.

A. TRUE

B. FALSE

Answer: A

Question #:95

Connecting an OceanStor 5300 V3 to three disk enclosures requires.......... SAS cables.

A. 3

B. 6

C. 9

D. 12

   F

Answer: B

Question #:96

An intelligent backup strategy involves multiple backup policies on the same production data i.e, with different retention periods and different schedules.

A. TRUE

B. FALSE

Answer: A

Question #:97

Select which of the following which is not a properties of Distributed Object Storage Architecture.

A. Automatic load balancing.

B. Online expansion.

C. Global namespace.

D. Centralized nodes.

Answer: D

Question #:98

Huawei OceanStor V3 series storage system hardware includes controller enclosures and disk enclosures. Which of the following statements about controller enclosures are correct?

(Multiple Choice)

A. A controller enclosure does not have disks. Disks are installed in disk enclosures.

B. A controller enclosure consists of controller modules, fan, BBU modules, power modules and/or interface modules.

C. A controller enclosure is the core of a storage system.

D. A controller enclosure processes storage services and manages the disk enclosures connected to it.

Answer: B C D

Question #:99

Which are characteristics of the HUAWEI OceanStor V3 hardware?

(Multiple Choice)

    A. SAN and NAS convergence

    B. SSD and HDD convergence

    C. No need for heterogeneous convergence anymore

    D. Primary and Backup convergence

Answer: A B D

Question #:100

Statement 1: A company should know what the Cost Of Downtime is to determine the backup strategy.

Statement 2: For the business continuity it is not important to determine the RTO.

    A. Statement 1 and Statement 2 are both True.

    B. Statement 1 is True; Statement 2 is False,

    C. Statement 1 is False; Statement 2 is True.

    D. Statement 1 and Statement 2 are both False.

Answer: B

Question #:101

Which of the following are the 3 layers of components that storage systems are made up of?

(Multiple Choice)

    A. Storage Analysis

    B. Storage Solution

    C. Storage Software

    D. Storage Hardware

Answer: B C D

Question #:102

What is Network Functions Virtualization(NFV)?

    A. Decoupling of the data plane and control plane in networks.

    B. Decoupling of network functions from hardware.

    C. Decoupling of services from software.

    D. Decoupling of network functions from virtualization.

Answer: B

Question #:103

Which of the following is a valid protocol for a UNIX-based NAS server?

(Multiple Choice)

    A. CIFS

    B. NFS

    C. SMB

    D. Novell Control Protocol

Answer: A B C

Question #:104

Statement 1: For RAID 2.0+ to work optimally multiple disk domains must be created. Statement 2: A disk domain with 100 disks in it has better RAID 2.0+ protection and performance characteristics than a disk domain with 50 disks.

    A. Statements1 and 2 are both true.

    B. Statement 1 is true and statement 2 is false.

    C. Statement 1 is false and statement 2 is true.

    D. Both statements 1 and 2 are false.

Answer: C

Question #:105

Which of the following licenses requires at least two OceanStor systems that are connected over a

WAN/LAN?

    A. SmartTier

    B. RemoteReplication

    C. HyperSnap

    D. SmartThin

Answer: B

Question #:106

Which of the following is NOT true for a tape library?

    A. Should be in the same datacenter as the production data for easy restores.

    B. Can be a disk based Virtual tape library.

    C. Ideally allows remote connections using FC and/or iSCSI.

    D. Backup software will allow multiple backup jobs to run simultaneously.

Answer: A

Question #:107

Statement 1: a snapshot of a ThinLUN at creation does not occupy storage capacity. The snapshot of a ThickLUN at creation immediately occupies storage capacity.

Statement 2: When a snapshot of a ThickLUN exists, there is always space available to store changes to the original data.

    A. Statements 1 and 2 are both true.

    B. Statement 1 is true and statement 2 is false.

    C. Statement 1 is false and statement 2 is true.

    D. Both statements 1 and 2 are false.

Answer: D

Question #:108

In HUAWEI OceanStor V3, for synchronous replication to be successful, all host applications must be pauzed during the replication update process.

    A. TRUE

    B. FALS

Answer: B

Question #:109

In a SCSI connection, it is responsible to send SCSI commands to the target. Which of the following fits the above description.

    A. Target.

    B. Initiator.

    C. LUN.

    D. Storage.

Answer: B

Question #:110

In a clustered NAS architecture, which of the following allows multiple file system to be consolidated and does not need to be managed separately?

    A. Global Namespace.

    B. Global Sharing.

    C. Global Cache.

    D. Global Concurrency.

Answer: A

Question #:111

In which stage of the lifecycle management of information and data, does the data management operation such as copying and backup occurs?

    A. Generation.

B. Transmission.

C. Maintenance.

D. Usage.

Answer: C

Question #:112

Which of the following statements is incorrect?

A. A RAID group is like a physical volume that consists of multiple disks.

B. One logical volume can be created on a physical volume.

C. Multiple logical volumes can be created on a physical volume.

D. A LUN can reside on multiple RAID groups.The

Answer: D

Question #:113

Statement 1: Port zoning is preferred for zoning a FC switch when there are a lot of changes to the patch points.

Statement 2: Alias zoning is a user friendly version of soft zoning.

A. Statement 1 and 2 are true

B. Statement 1 is true; Statement 2 is false

C. Statement 1 is false; Statement 2 is true

D. Statement 1 and 2 are false

Answer: C

Question #:114

In a good Disaster Recovery Plan there are no single points of failure, not even with any single person.

A. TRUE

B. FALSE

Answer: A

Question #:115

In HUAWEI OceanStor V3,HyperSnap of a LUN uses the Copy On Write method to keep track of changes blocks

A. TRUE

B. FALSE

Answer: A

Question #:116

In Windows 2012 deleting data from a volume, based on a Thin LUN, means that NO storage space will be reclaimed by the HUAWEI OceanStor V3,.

A. TRUE

B. FALSE

Answer: B

Question #:117

Which of the following statements is NOT true for a SAN solution?

A. Block based storage.

B. Long distance connections not possible.

C. Contains no Single Points Of Failure.

D. Multiple protocols possible.

Answer: B

Question #:118

Select the correct statements that describes Mean Time Between Failure(MTBF).

(Multiple Choice)

A. MTBF can accurately pinpoint the time of failures of the hard disks.

B. The higher the MTBF, the hard disk will have shorter lifespan expectancy,

C. MTBF is used to measure the reliability of hard disks.

D. MTBF is the predicted elapsed time between inherent failures of hard disks.

Answer: C D

Question #:119

Storage controllers can be separated from the chassis of disk enclosures. It does not need to be integrated in design with the disk enclosures.

A. TRUE

B. FALSE

Answer: A

Question #:120

Which of the following is the common physical size division of the surface of the hard disk?

(Multiple Choice)

A. Track,

B. Sector.

C. Cylinder.

D. Partition.

Answer: A B C

Question #:121

Which of the following is correct? (Multiple Choice)

A. Only when a snapshot is activated will the system record all changes to the original LUN.

B. A snapshot needs to be removed from the LUN group to be fully unmapped.

C. SmartTier supports a High Performance, a Performance, a High Capacity and a Capacity Tier.

D. To write data to the secondary LUN of a clone pair, the pair must be split.

Answer: A B D

Question #:122

Multipathing software is only needed in SAN solutions with just a single switch.

A. TRUE

B. FALSE

Answer: B

Question #:123

Using SmartThin gives extra responsibility for the SAN administrator because there is a risk of over-provisioning storage capacity.

A. TRUE

B. FALSE

Answer: A

Question #:124

Which of the following are existing Solid State Disk types?

(Multiple Choice)

A. DLC

B. eMLC

C. TLC

D. SLC

Answer: B C D

Question #:125

Match the operating system with the protocol. The operating systems include:1.Windows 2.Linux 3.Apple OSX; The protocols incude: A-NFS B - CIFS C - SMB

    A. 1-A; 2-C; 3-A.

    B. 1 - B+C; 2 - A ; 3 - A .

    C. 1 - A+D; 2 - A+B; 3 - A .

    D. 1 - C ; 2 - A+D; 3 - A.

Answer: B

Question #:126

When determining hard disk performance, which of the following are relevant.

(Multiple Choice)

    A. Rotational speed,

    B. Seek time,

    C. Transfer time.

    D. Transfer rate.

Answer: A B D

Question #:127

Application program interface (API) is a set of routines, protocols, and tools for building software applications.

    A. TRUE

    B. FALSE

Answer: A

Question #:128

Synchronous replication in OceanStor V3 devices is based on the snapshot technology.

    A. TRUE

B. FALSE

Answer: B

Question #:129

Data and Information are the same thing.

A. TRUE

B. FALSE

Answer: B

Question #:130

Which of the following is a valid iSCSI name that can be used to set up the iSCSI connection between the initiator and target? (Multiple Choice)

A. iqn.1998-01.com.huawei.:namel

B. iqn. 1998-01. com. huawei.iscshnamel

C. eui.l2345678ABC

D. eui.0123456789ABCDEF

Answer: B D

Question #:131

Which of the following would best describe a virus?

A. When an employee goes against the company's ICY code of practice e.g. leaving workstation logged on.

B. A piece of malicious code that is written by programmers and is used to corrupt data and systems.

C. When individuals or organizations break the law through using computers illegally access a computer system.

D. Misuse of information provided by ICT systems for personal or malicious intentions.

Answer: B

Question #:132

The central backup question is: How much loss can be tolerated determines how much to invest in backup?

    A. TRUE

    B. FALSE

Answer: A

Question #:133

What is NOT a parameter used to identify a hard disk?

    A. Block size

    B. Bandwidth

    C. Rotations per minute

    D. Latency

Answer: B

Question #:134

Which of the following statements about pre-copy is incorrect?

    A. Pre-copy is the process of copying data from a failing member disk to a hot spare disk.

    B. Data to be pre-copied must be reconstructed and calculated.

    C. Pre-copy greatly reduces the risk of data loss.

    D. Pre-copy requires hot spare disks.

Answer: B

Question #:135

Statement 1: If possible it is always advised to make only Full Backups

Statement 2: LAN free backups typically run slower than LAN based backups.

    A. Statements 1 and 2 are both true.

B. Statement 1 is true and statement 2 is false.

C. Statement 1 is false and statement 2 is true.

D. Both statements 1 and 2 are false.

Answer: B

Question #:136

A zone in a FC switch determines which ports of the FC switch can be connected together.

A. TRUE

B. FALSE

Answer: A

Question #:137

Huawei V3 series storage system hardware includes controller enclosures and disk enclosures. Which of the following statements about controller enclosures is correct?

A. When the external power supply fails, BBU modules provide backup power for all disks.

B. When the external power supply fails, BBUs can supply power to enable data synchronization from the cache to disks in disk enclosures.

C. If BBUs become faulty, the service system will be interrupted.

D. When the power input is normal, BBUs are in the standby state.

Answer: B

Question #:138

When the RTO is 10 minutes the traditional Tape Backup method cannot be used.

A. TRUE

B. FALSE

Answer: A

Question #:139

Which of the following are the supported data storage architecture of modern storage array?

(Multiple Choice)

    A. File Storage,

    B. Object Storage,

    C. Block Storage.

    D. Fusion Storage.

Answer: A B C

Question #:140

Which module is not in the disk enclosure of a storage device?

    A. Fan module

    B. Power module

    C. Expansion module

    D. BBU module

Answer: D

Question #:141

Which of the following describe DAS? (Multiple Choice)

    A. A storage device connects to a host using the SCSI-based bus architecture.

    B. DAS is unfavorable to storage resource sharing,

    C. The host CPU has a work load when storing data.

    D. Long-distance transmission is supported between a host and a storage device.

Answer: A B C

Question #:142

A differential backup holds all changes that were made since the last successful full backup.

A. TRUE

B. FALSE

Answer: A

Question #:143

Host is a computing system consisting of hard drives or file system that can provide data access and storage.

A. TRUE

B. FALSE

Answer: A

Question #:144

Cloud computing can be used to improve reliability.

A. TRUE

B. FALSE

Answer: A

Question #:145

Cloud technology refers to the process of migrating all the local servers to an external online datacenter for data protection purposes.

A. TRUE

B. FALSE

Answer: B

Question #:146

Which of the following statements about block virtualization technology for Huawei storage systems are correct? (Multiple Choice)

A. Data is distributed to all disks, fully leveraging the read/write processing capability of a storage system.

B. A RAID group is formed in the unit of physical disks.

C. A CKG is the unit used in applying for space, releasing space, and relocating data.

D. Data reconstruction efficiency improves significantly.

Answer: A D

Question #:147

Data is the record that reflects the attributes of objective things and is the physical manifestation of information,

A. TRUE

B. FALSE

Answer: A

Question #:148

In high end storage systems, what is the main function of the service processor?

A. To manage the I/O commands and complete disk operations.

B. To process the network service.

C. To maintain the interconnection of disk drives within the enclosures.

D. To optimize the speed of I/O operations.

Answer: A

Question #:149

Statement 1; NAS systems must be interconnected using fiber optic cables. Statement 2: A network protocol is the way in which an operating system accesses a file that is on a network connected device.

A. Statements 1 and 2 are both true.

B. Statement 1 is true and statement 2 is false.

C. Statement 1 is false and statement 2 is true.

D. Both statements 1 and 2 are false.

Answer: C

Which of the following is an example of unstructured data?

(Multiple Choice)

A. Images

B. SQL Databases

C. NoSQL Databases

D. Video

Answer: A D

Match the correct functionalities together: (1) IaaS (2) Hybrid (3) SaaS (a) Combination of public and private (b) Applications are hosted externally (c) Hardware is outsourced.

A. 1-a; 2-b; 3-c

B. 1-b; 2-c; 3-a

C. 1-c; 2-a; 3-b

D. 1-b; 2-a; 3-c

Answer: C

Statement 1: A Solid State Disk drive can withstand strong vibrations.

Statement 2: A Solid State Disk drive has only a few mechanical parts.

A. Statement 1 and 2 are true

B. Statement 1 is true; Statement 2 is false

C. Statement 1 is false; Statement 2 is true

D. Statement 1 and 2 are false

Answer: B

Question #:153

Statement 1: OceanStor Dorado systems are designed for high performance environments. Statement 2: OceanStor Dorado systems are so-called All Flash Arrays.

A. Statement 1 and 2 are true.

B. Statement 1 is true; Statement 2 is false.

C. Statement 1 is false; Statement 2 is true.

D. Statement 1 and 2 are false

Answer: A

Question #:154

The disadvantage of full backup is that it requires the last full backup and the most recent differential backup to fully restore data.

A. TRUE

B. FALSE

Answer: B

Question #:155

In HUAWEI OceanStor V3, for synchronous replication to be successful, all host applications must be pauzed during the replication update process.

A. TRUE

B. FALSE

Answer: B

Question #:156

The storage controller can only provide processing and caching functions.

A. TRUE

B. FALSE

Answer: B

Question #:157

Statement 1: Creating an incremental backup is faster than creating a differential backup. Statement 2: Restoring from an incremental backup is faster than from a differential backup.

A. Statements 1 and 2 are both true.

B. Statement 1 is true and statement 2 is false.

C. Statement 1 is false and statement 2 is true.

D. Both statements 1 and 2 are false.

Answer: B

Question #:158

Most data generated by the Internet industry is structured data, amounting to 80% of total data.

A. TRUE

B. FALSE

Answer: B

Question #:159

Statement 1: DAS solutions are islands of storage and that is why it is easy to make backups. Statement 2: Most SCSI devices today use HVD technology.

A. Statement 1 and 2 are true.

B. Statement 1 is true; Statement 2 is false.

C. Statement 1 is false; Statement 2 is true.

D. Statement 1 and 2 are false.

Answer: D

Question #:160

Which is a typical application example of PaaS?

    A. Webmail

    B. Microsoft Office365

    C. Microsoft Azure

    D. Amazone Elastic Compute cloud

Answer: C

Question #:161

You are tasked to setup a SAN storage system that has the following requirements: (1) To minimize the workload on server resources. (2) Optimize the capabilities on storage system for deduplication. Select the following options that fits the scenario above.

(Multiple Choice)

    A. Use NIC instead of HBA cards to minimize the host resource consumption during I/O operations.

    B. Offload the storage processing tasks to the server to optimize the data deduplication.

    C. Usage of TCP/IP offload engine technology to do processing on HBA cards on the server to minimize the usage of server resources.

    D. Adding hardware acceleration module to the storage system to optimize the performance of data deduplication.

Answer: C D

Question #:162

The components of a storage device are redundant, including controller modules, management modules, BBU modules, interface modules, power modules, and fan modules. Component redundancy ensures system reliability.

    A. TRUE

    B. FALSE

Answer: A

Question #:163

Which of the following are the 3 layers of SCSI Initiator Model? (Multiple Choice)

   A. SCSI Link Layer.

   B. SCSI Network Layer.

   C. SCSI Middle Layer.

   D. SCSI Device Driver Layer.

Answer: A C D

Question #:164

Many companies gather so much data that they cannot extract the right information from the data,

   A. TRUE

   B. FALSE

Answer: A

Question #:165

Which of the following statements about HUAWEI OceanStor V3 SmartTier dynamic storage tiering technology is NOT true?

   A. The SmartTier calculates and analyzes the activity level of data.

   B. The SmartTier automatically and dynamically matches data from different activity levels with storage media of different characteristics.

   C. The SmartTier data relocation activities are based on configured policies.

   D. Data statistics, analysis, and relocation activities of the SmartTier affect service continuity and data availability.

Answer: D

Question #:166

Which of the following is not a characteristic of the Cloud?

A. Ubiquitous Access.

B. Shared pool of configurable resources.

C. On Demand Self Service.

D. Quick analysis of vast amount of data.

Answer: D

Question #:167

Which of the following statements is true? (Multiple Choice)

A. A SAS disk generally has more IOPS than a SATA disk.

B. only SLC SSD are used in Enterprise level systems.

C. the realized transfer speed of SSD is higher than that of SAS.

D. SSD are cheaper than HDD because they are physically much smaller.

Answer: A C

Question #:168

Which of the following are common RAID types. (Multiple Choice)

A. RAID 1

B. RAID 5

C. RAID 0+1

D. RAID 50

Answer: A B D

Question #:169

Based on the new industrial revolution, what are the changes in the trend of ICT? (Multiple Choice)

A. ICT trend is changing slowly with little significant changes.

B. The initial phases of ICT focuses on office automation but slowly changed towards changing business flows.

C. ICT is slowly being replaced by other new technologies such as IT and CT.

D. ICT has become the core in the production systems in the recent years.

Answer: B D

Question #:170

The restore time objective (RTO) specifies the time needed to recover the data and servers after after a disaster has occured,

A. TRUE

B. FALSE

Answer: B

Question #:171

It is an electronic device controlled by a motor that moves the hard drive head arm. Which of the following component fits the above description?

A. Actuator.

B. Spindle,

C. Platter.

D. Motor.

Answer: A

Question #:172

Given this scenario. A company wants replication of data between two data centers that are 2000 km apart. Which replication method is most recommended?

A. Asynchronous

B. Synchronous

C. Both Asynchronous and Synchronous will work.

D. Synchronous but ONLY if the link is a high speed 8 Gb/s fiber optical connection.

Answer: A

Question #:173

In storage systems, what does throughput refers to?

A. Amount of data that can be received and written to the storage medium in a period of time.

B. Amount of data that can be transmitted and received over network in a period of time.

C. Amount of signals that can be sent or received by processors in a period of time.

D. Amount of calculations that can be processed in a period of time.

Answer: A

Question #:174

Which device allows segregation of collision domains but not broadcasting domains?

A. L2 Switches

B. L3 Switches

C. Router

D. Hub

Answer: A

Question #:175

Statement 1: LAN based backup strategies are preferred as they are the most cost efficient method and offer the highest performance.

Statement 2: Any backup strategy should provide in storing production data and backup data in different physical locations.

A. Statements 1 and 2 are both true.

B. Statement 1 is true and statement 2 is false.

C. Statement 1 is false and statement 2 is true.

D. Both statements 1 and 2 are false.

Answer: C

Question #:176

A SAN always uses the same technology to connect to the infrastructure as a NAS.

 A. TRUE

 B. FALSE

Answer: B

Question #:177

It is common practice to create an extra copy of a backup tape that holds important data.

 A. TRUE

 B. FALSE

Answer: A

Question #:178

Select the correct statements that describes the properties of Distributed Object Storage

Architecture.

(Multiple Choice)

 A. Metadata servers manages the access requests.

 B. Does not support x86 servers.

 C. Clients can pinpoint the location of targeted data without metadata servers,

 D. Multi node concurrent I/O connection.

Answer: A D

Question #:179

Statement 1: Synchronous replication is often possible over distances of more than100k

Statement 2: Asynchronous replication must be used when the host has a file system that is Linux based.

    A. Statement 1 and 2 are true.

    B. Statement 1 is true; Statement 2 is false.

    C. Statement 1 is false; Statement 2 is true.

    D. Statement 1 and 2 are false.

Answer: D

Question #:180

Which of the following occurs after multipathing software is installed on a host? (Multiple Choice)

    A. Maps a LUN to the host

    B. Avoids logical errors from occurring in the operating system as a result of multiple reachable paths to the same LUN.

    C. Improves link reliability and prevents the failure of a single link from causing a system failure.

    D. Sets up connection between a storage device and the host.

Answer: B C

Question #:181

Which of the following best describes SDN?

    A. Using a software program to manage your network.

    B. The virtualization of network services to achieve better efficiency and scalability.

    C. Decoupling of the data plane and control plane in networks.

    D. Using hardware to manage the network.

Answer: C

Question #:182

Select the statements that are correct about the functions of network devices.

(Multiple Choice)

    A. Routers do not separate the network into different broadcast domains.

    B. Routers do not forward the broadcast frames in the network,

    C. LAN switches place each port into a separate collision domain.

    D. Hubs allow the separation of collision domains.

Answer: B C

Question #:183

Storage cache can optimize the speed of the storage system.

    A. TRUE

    B. FALSE

Answer: A

Question #:184

The mount command is used in Linux-based clients to connect the client to the NFS share.

    A. TRUE

    B. FALSE

Answer: A

Question #:185

What is best described as: the time it takes for the desired data to be beneath the read head when the head is on the correct track?

    A. Rotational latency

    B. Rotational speed

    C. Seek time

    D. Throughput

Answer: A

Question #:186

What is the purpose of context for data?

    A. Context gives meaning to the data collected. Without context the data is meaningless.

    B. Context gives comparison between data and information.

    C. Context is only found in data and not in information.

    D. Context is optional when collecting and analyzing data.

Answer: A

Question #:187

Which of the following statements about RAID 10 are correct?

(Multiple Choice)

    A. RAID 10 applies to scenarios with demanding requirements for speed and fault tolerance.

    B. RAID 10 requires at least four member disks.

    C. In RAID 10, if two member disks in the RAID 1 group fail, data read proceeds normally.

    D. Data is mirrored and then striped in RAID 10.

Answer: A B D

Explanation

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Question #:188

What is the main purpose of backup battery units (BBU) in storage controllers?

    A. To maintain the power for clock synchronization.

    B. To power the interface modules.

    C. To provide additional power to storage controller to speed up the I/O.

D. To ensure that the non completed I/O is not lost during power outage.

Answer: D

Question #:189

Which of the following statements about the differences between DAS and SAN is incorrect?

A. SAN uses the Fibre Channel or iSCSI protocol and therefore offers better scalability.

B. DAS and SAN are both external storage and can achieve storage resource sharing easily.

C. DAS applies to small and medium LANs that have general storage capacity requirements and only a small number of servers.

D. SAN applies to mid-range and high-end storage application environments such as key databases, centralized storage, mass storage, backup, and disaster recovery.

Answer: B

Question #:190

A customer needs zoning configured in a Fibre Channel switch. The customer frequently changes the patch points in the infrastructure. What zoning method is preferred then?

A. Port zoning because it is more flexible when it comes to changing patch points.

B. Soft zoning because it is more flexible when it comes to changing patch points

C. Port zoning and Soft zoning should always be used together.

D. Zoning is not required in a FC SAN.

Answer: B

Question #:191

Which of the following are correct steps in a LAN based backup job?

(Multiple Choice)

A. Agent on application server sends data to the backup device.

B. Agent on application server sends data to backup media server,

C. Backup media server sends data to the backup device.

D. Backup server sends a "start-backup" command to the backup device.

Answer: B C

Question #:192

Statement 1: Everytime a tape is used to restore data/ some data will be lost.

Statement 2: Backup strategies that use tape as backup media typically have a high RTO.

A. Statement 1 and 2 are true

B. Statement 1 is true; Statement 2 is false.

C. Statement 1 is false; Statement 2 is true.

D. Statement 1 and 2 are false.

Answer: A

Question #:193

Which of the following allows direct physical access to end users?

A. Network Switch.

B. Storage Array.

C. Backup System.

D. Clients.

Answer: D

Question #:194

Which of the following statements about the coffer disks of the HUAWEI V3 series storage systems are correct?

(Multiple Choice)

A. Coffer disks store cache data to prevent data loss after a power failure.

B. BBUs supply power to cache and coffer disks in the event of unexpected power failure.

C. Coffer disks cannot be used to save service data.

D. The first 2 disks in a controller enclosure are coffer disks.

Answer: A B

Question #:195

It is a hard-disk failure that occurs when a read-write head of a hard disk drive comes in contact with its rotating platter, resulting in permanent and usually irreparable damage to the magnetic media on the platter surface. Which of the following fits the above description?

A. Electrical Failure.

B. Bad Platter Area.

C. Bad Sector.

D. Head Crash.

Answer: D

Question #:196

Statement 1: NAS solutions are always file based.

Statement 2: NAS solutions are mostly limited in distance because Ethernet cables are used.

A. Statement 1 and 2 are true.

B. Statement 1 is true; Statement 2 is false.

C. Statement 1 is false; Statement 2 is true.

D. Statement 1 and 2 are false.

Answer: A

Question #:197

It is a device which manages the physical disk drives and presents them to the users as logical units. Which of the following device fits the above description?

A. Host.

B. Storage NIC.

C. Storage Controller.

D. Storage Cache.

Answer: C

Question #:198

The maintenance network port is used, by the DeviceManager, for daily management.

A. TRUE

B. FALSE

Answer: B

Question #:199

In HUAWEI OceanStor V3, which of the following are characteristics of virtual snapshot LUN?

(Multiple Choice)

A. Virtual snapshot is based on the pointers specified in a mapping table.

B. A snapshot LUN cannot be mapped to hosts,

C. A full data replication is unnecessary.

D. Data is located using a mapping table.

Answer: A C D

Question #:200

What is the main purpose of hot swapping technology in disk enclosures?

A. To swap out the hard disks after proper shutdown of storage system

B. To swap out the hard disks without turning off the storage system.

C. To be able to swap out the disks when the temperature is too hot.

D. Maintain the temperature of the disks to prevent overheating.

Answer: B

Question #:201

Storage controllers are only connected to disk enclosures within the SAN network.

    A. TRUE

    B. FALSE

Answer: B

Question #:202

What is the main difference between desktop grade hard drives with enterprise grade hard drives which is the deciding factor in hard drive usage?

    A. The presence of mechanical parts.

    B. The performance of the hard drive.

    C. The capacity of hard drive.

    D. The lifespan of hard drive.

Answer: B

Question #:203

Which of the following items is NOT mandatory in a Fibre Channel SAN?

(Multiple Choice)

    A. Storage device

    B. Fibre Channel switch

    C. Fibre Channel HBA

    D. Windows operating system

Answer: B D

Question #:204

Situation: Disk Domain A has 40 disks, Disk Domain B has 20 disks. True or False: the rebuild time for a

failed disk in Disk Domain B is longer than for a failed disk in Disk Domain A.

A. TRUE

B. FALSE

Answer: A

Question #:205

In HUAWEI OceanStor V3,which of the following statements about mapping a snapshot is true?

A. Mapped snapshots are always Read-Only.

B. Snapshots optionally can be mapped to multiple hosts.

C. Snapshots can only be mapped to a the same host the original LUN was mapped to.

D. All of the answers are true

Answer: B

Question #:206

Depending on the amount of data to be backed up, which of the types are actual backup methods?

(Multiple Choice)

A. Real-time backup

B. Full backup

C. Incremental backup

D. Differential backup

Answer: B C D

Question #:207

Government regulations can sometimes mean that when data must be destroyed it means that the physical media must be destroyed.

A. TRUE

B. FALSE

Answer: A

Select the features that are commonly available in High End storage systems.

(Multiple Choice)

    A. Global Cache

    B. Second-level Data Copying

    C. SSD Optimization

    D. ATA Drive Optimization

Answer: A B C

A traditional RAID 10 set always has an even number of disks.

    A. TRUE

    B. FALSE

Answer: A

What does the term RPO mean?

    A. Return Purchase Order

    B. Recover Plan Objective

    C. Restore Point Objective

    D. Recovery Point Objective

Answer: D

About HUAWEI OceanStor V3, the following 2 statements:

Statement 1: With the SmartTier feature the SSD disks are in the Performance Tier.

Statement 2: No more than 3 tiers can exist in the OceanStor V3 storage arrays.

    A. Statement 1 and 2 are true.

    B. Statement 1 is true; Statement 2 is false.

    C. Statement 1 is false; Statement 2 is true.

    D. Statement 1 and 2 are false.

Answer: C

Question #:212

Which of the following statements is NOT true? (Multiple Choice)

    A. CIFS is a network-based sharing protocol. It has high demands on network transmission reliability, so it usually uses TCP/IP.

    B. One disadvantage of CIFS is that Windows clients must be equipped with dedicated software.

    C. NFS is a stateless protocol while CIFS is a stateful protocol. NFS can be automatically recovered from a fault while CIFS cannot

    D. Both the CIFS as well as the NFS protocol requires file format conversion.

Answer: B D

Question #:213

After the UltraPath is installed on an application server, its operating system can automatically identify the disks mapped from a storage device without being restarted.

    A. TRUE

    B. FALSE

Answer: B

Question #:214

Grid storage employs the combination of large scale serial distributed storage to provide even distribution of storage across all nodes.

A. TRUE

B. FALSE

Answer: B

Question #:215

Which of the following disks has the best performance in terms of speed?

A. NL-SAS

B. SAS

C. SSD

D. SATA

Answer: C

Question #:216

HUAWEI OceanStor V3 SmartTier can be used to position files to be on specific disk drive types.

A. TRUE

B. FALSE

Answer: A

Question #:217

Which of the following statements are characteristics of pre-copy technology?

(Multiple Choice)

A. Migrates data from a suspected faulty disk to a hot spare disk immediately after the error count of the suspected faulty disk exceeds the preset threshold.

B. Reduces the occurrence of reconstruction.

C. Improves system reliability.

D. Reduces system performance.

Answer: A B C

What is the main difference between mechanical drives such as SAS with solid state drives(SSD)?

    A. The presence of mechanical parts.

    B. The performance of the hard drive.

    C. The capacity of hard drive.

    D. The lifespan of hard drive.

Answer: A

Dual-switch networking is widely applied in Fibre Channel SANs. Which of the following are its characteristics? (Multiple Choice)

    A. Two Fibre Channel switches are deployed in a SAN for connecting to the two controllers of a storage device.

    B. Per host two fibre channel ports should be available. The two Fibre Channel ports connect to two Fibre Channel switches.

    C. The ports on the two Fibre Channel switches connecting to the hosts and storage device must reside in the same zone.

    D. As multiple paths exist, the dual switch networking mode supports link redundancy but does not support load balancing.

Answer: A B C

Which is NOT the limitation of DAS, compared with SAN?

    A. Poor scalability

    B. Large investment

    C. Difficult resource sharing

    D. Decentralized management

Answer: B

Question #:221

If no data migration plan is set, with SmartTier enabled, there will be no data movement at al between tiers.

    A. TRUE

    B. FALSE

Answer: A

Question #:222

IP SAN uses underlying optical networks to connect servers and storage systems.

    A. TRUE

    B. FALSE

Answer: B

Question #:223

Which of the following statements about Disaster Recovery is NOT true?

    A. Some data loss must be accepted.

    B. After a disaster access to the data, on the remote site, can be immediate.

    C. Applications to work with the recovered data is in place.

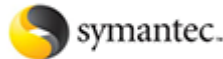   D. There are still traditional backup strategies in place.

Answer: A

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