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## Exam A

### QUESTION 1

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.

**Correct Answer: A, D**

**Section:**

### QUESTION 2

In Huawei storage systems that use RAID 2.0+ technology, a hard disk domain can only contain one type of hard disk.

- A. TRUE
- B. FALSE

**Correct Answer: B**

**Section:**

### QUESTION 3

A device can only have one WWPN, but it can have multiple WWNNs.

- A. TRUE
- B. FALSE

**Correct Answer: B**

**Section:**

### QUESTION 4

The following are the key characteristics of cloud computing:

- A. users can self-service on demand
- B. The resource pool used by the user has nothing to do with the exact geographic location of the resource pool
- C. It can quickly and flexibly provide users with capabilities, such as computing power and storage capacity.
- D. Charge based on the actual usage of the user

**Correct Answer: A, B, C, D**

**Section:**

### QUESTION 5

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

**Correct Answer: B**  
**Section:**

**QUESTION 6**

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

- A. TRUE
- B. FALSE

**Correct Answer: B**  
**Section:**

**QUESTION 7**

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.

**Correct Answer: D**  
**Section:**

**QUESTION 8**

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.

**Correct Answer: B, C, D**  
**Section:**

**QUESTION 9**

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.



**Correct Answer: B**

**Section:**

**QUESTION 10**

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

**Correct Answer: C**

**Section:**

**QUESTION 11**

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

**Correct Answer: B, C, D**

**Section:**



**QUESTION 12**

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

- A. TRUE
- B. FALSE

**Correct Answer: A**

**Section:**

**QUESTION 13**

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.

**Correct Answer: C, D**

**Section:**

**QUESTION 14**

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.

**Correct Answer: D**

**Section:**

**QUESTION 15**

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. Statement 1 and Statement 2 are both False.

**Correct Answer: C**

**Section:**

**QUESTION 16**

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

- A. 3
- B. 6
- C. 9
- D. 12

**Correct Answer: B**

**Section:**

**QUESTION 17**

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.

**Correct Answer: A**

**Section:**

**QUESTION 18**

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

- A. TRUE
- B. FALSE

**Correct Answer: B**  
**Section:**

**QUESTION 19**

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

- A. TRUE
- B. FALSE

**Correct Answer: A**  
**Section:**

**QUESTION 20**

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.



**Correct Answer: A, B, C**  
**Section:**

**QUESTION 21**

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

- A. TRUE
- B. FALSE

**Correct Answer: A**  
**Section:**

**QUESTION 22**

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

- A. TRUE
- B. FALSE

**Correct Answer: A**  
**Section:**

**QUESTION 23**

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.

**Correct Answer: D**

**Section:**

**QUESTION 24**

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.

**Correct Answer: A**

**Section:**

**QUESTION 25**

Which of the following are existing Solid State Disk types?

(Multiple Choice)

- A. DLC
- B. eMLC
- C. TLC
- D. SLC

**Correct Answer: B, C, D**

**Section:**

**QUESTION 26**

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

**Correct Answer: A**

**Section:**

**QUESTION 27**

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.

**Correct Answer: A**

**Section:**

**QUESTION 28**

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

- A. TRUE
- B. FALS

**Correct Answer: B**

**Section:**

**QUESTION 29**

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

**Correct Answer: A**

**Section:**

**QUESTION 30**

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.

**Correct Answer: C**

**Section:**

**QUESTION 31**

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

**Correct Answer: B, C**

**Section:**





**QUESTION 32**

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

**Correct Answer: B**

**Section:**

**QUESTION 33**

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

**Correct Answer: A, B, C**

**Section:**

**QUESTION 34**

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.

**Correct Answer: A**

**Section:**

**QUESTION 35**

Which of the following is the correct procedure for configuring a HUAWEI OceanStor 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.

**Correct Answer: A**

**Section:**

**QUESTION 36**

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.

**Correct Answer: B, C, D**

**Section:**

**QUESTION 37**

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.

**Correct Answer: D**

**Section:**

**QUESTION 38**

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.

**Correct Answer: A, B, C**

**Section:**

**QUESTION 39**

Which of the following is an example of unstructured data?

(Multiple Choice)

- A. Images
- B. SQL Databases
- C. NoSQL Databases
- D. Video

**Correct Answer: A, C, D**

**Section:**

**QUESTION 40**

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.

**Correct Answer: B**

**Section:**

**QUESTION 41**

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

**Correct Answer: B**

**Section:**

**QUESTION 42**

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

(Multiple Choice)

- A. ATA
- B. SATA
- C. sas
- D. IDE

**Correct Answer: B, C, D**

**Section:**

**QUESTION 43**

In HUAWEI OceanStor ,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.

**Correct Answer: D**

**Section:**

**QUESTION 44**

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.

**Correct Answer: B**

**Section:**

**QUESTION 45**

Which are characteristics of the HUAWEI OceanStor 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

**Correct Answer: A, B, D**

**Section:**

**QUESTION 46**

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

- A. TRUE
- B. FALSE

**Correct Answer: A**

**Section:**

**QUESTION 47**

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.

**Correct Answer: D**

**Section:**

**QUESTION 48**

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

- A. Host ID.
- B. BUS ID.
- C. Device ID.
- D. LUN ID.



**Correct Answer: A**

**Section:**

**QUESTION 49**

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

- A. TRUE
- B. FALSE

**Correct Answer: B**

**Section:**

**QUESTION 50**

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

- A. L2 Switches
- B. L3 Switches
- C. Router
- D. Hub

**Correct Answer: A**

**Section:**

**QUESTION 51**

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.

**Correct Answer: B**

**Section:**

**QUESTION 52**

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

- A. TRUE
- B. FALSE

**Correct Answer: A**

**Section:**

**QUESTION 53**

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

- A. TRUE



B. FALSE

**Correct Answer: A**

**Section:**

**QUESTION 54**

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

(Multiple Choice)

- A. When the external power supply fails, BBU modules provide backup power for all disks.
- B. If BBUs become faulty, the service system will be interrupted.
- C. When the external power supply fails, BBUs can supply power to enable data synchronization from the cache to disks in disk enclosures
- D. When the power input is normal, BBUs are in the standby state.

**Correct Answer: C**

**Section:**

**Explanation:**

Controller enclosures in Huawei OceanStor series storage systems are equipped with battery backup units (BBUs) which provide backup power when the external power supply fails. This ensures that any data in the controller's cache can be synchronized to the disks in the disk enclosures before the power is cut. BBUs will be in a standby state when the power input is normal. If the BBUs become faulty, the service system will not be interrupted.

**QUESTION 55**

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.

**Correct Answer: A, B**

**Section:**

**QUESTION 56**

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

**Correct Answer: D**

**Section:**

**QUESTION 57**

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

**Correct Answer: A**

**Section:**

**QUESTION 58**

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

A. TRUE

B. FALSE

**Correct Answer: A**

**Section:**

**QUESTION 59**

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.

**Correct Answer: C**

**Section:**

**QUESTION 60**

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

**Correct Answer: D**

**Section:**

**QUESTION 61**

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.

**Correct Answer: A**

**Section:**



**QUESTION 62**

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

- A. Fan module
- B. Power module
- C. Expansion module
- D. BBU module

**Correct Answer: D**

**Section:**

**QUESTION 63**

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

- A. Block size
- B. Bandwidth
- C. Rotations per minute
- D. Latency

**Correct Answer: B**

**Section:**

**QUESTION 64**

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 .,

- A. TRUE
- B. FALSE

**Correct Answer: B**

**Section:**

**QUESTION 65**

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

- A. TRUE
- B. FALSE

**Correct Answer: A**

**Section:**

**QUESTION 66**

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.



**Correct Answer: B**

**Section:**

**QUESTION 67**

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

**Correct Answer: A**

**Section:**

**QUESTION 68**

Huawei 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.

**Correct Answer: B**

**Section:**

**QUESTION 69**

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.

**Correct Answer: D**

**Section:**

**QUESTION 70**

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.

**Correct Answer: B**

**Section:**

**QUESTION 71**

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



- A. TRUE
- B. FALSE

**Correct Answer: B**

**Section:**

**QUESTION 72**

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.

**Correct Answer: C**

**Section:**

**QUESTION 73**

Which of the following statements about HUAWEI OceanStor 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.

**Correct Answer: D**

**Section:**

**QUESTION 74**

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.

**Correct Answer: A**

**Section:**

**QUESTION 75**

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.

**Correct Answer: C**

**Section:**

**QUESTION 76**

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

- A. TRUE
- B. FALSE

**Correct Answer: B**

**Section:**

**QUESTION 77**

Data and Information are the same thing.

- A. TRUE
- B. FALSE

**Correct Answer: B**

**Section:**

**QUESTION 78**

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

- A. TRUE
- B. FALSE

**Correct Answer: B**

**Section:**

**QUESTION 79**

Which is a typical application example of PaaS?

- A. Webmail
- B. Microsoft Office365
- C. Microsoft Azure
- D. Amazone Elastic Compute cloud

**Correct Answer: C**

**Section:**

**QUESTION 80**

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

- A. TRUE
- B. FALSE



**Correct Answer: A**

**Section:**

**Explanation:**

When using LAN-based backups, it is best to create a dedicated backup network. This is because backup traffic can consume a significant amount of network bandwidth, and if it is mixed with other types of network traffic, it can cause performance issues for other network applications. By creating a dedicated backup network, backup traffic is isolated from other types of network traffic, which can help to ensure that backup jobs complete quickly and without interruption.

Additionally, dedicating a separate network for backups also improves security of the data being transferred, and it provides more flexibility in terms of bandwidth and network configuration, allowing to optimize the network for backup operations.

**QUESTION 81**

Statement 1: Synchronous replication is often possible over distances of more than 100k 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.

**Correct Answer: B**

**Section:**

**QUESTION 82**

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.

**Correct Answer: B**

**Section:**

**QUESTION 83**

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

**Correct Answer: A**

**Section:**

**QUESTION 84**

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.

**Correct Answer: A**

**Section:**

**QUESTION 85**

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

- A. TRUE
- B. FALSE

**Correct Answer: A**

**Section:**

**QUESTION 86**

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.

**Correct Answer: A**

**Section:**

**QUESTION 87**

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

**Correct Answer: A, B, C**

**Section:**

**QUESTION 88**

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.

**Correct Answer: A, B, D**

**Section:**

**QUESTION 89**

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



- A. TRUE
- B. FALSE

**Correct Answer: A**

**Section:**

**QUESTION 90**

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

- A. Backup software
- B. Backup media
- C. Backup server
- D. Backup policy

**Correct Answer: D**

**Section:**

**QUESTION 91**

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.

**Correct Answer: C**

**Section:**

**QUESTION 92**

What does throughput refer to in storage systems?

- 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.

**Correct Answer: A**

**Section:**

**Explanation:**

In storage systems, throughput refers to the amount of data that can be received and written to the storage medium in a period of time. It is typically measured in terms of bytes per second or bits per second. Throughput is an important consideration in storage systems because it determines the maximum amount of data that can be written to or read from the storage medium in a given time. Factors that can affect throughput include the speed of the storage medium, the speed of the storage controller, and the number of input/output (I/O) operations that can be performed in a given time.

**QUESTION 93**

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



- A. Global Namespace.
- B. Global Sharing.
- C. Global Cache.
- D. Global Concurrency.

**Correct Answer: A**

**Section:**

**QUESTION 94**

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.

**Correct Answer: A, D**

**Section:**

**QUESTION 95**

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.

**Correct Answer: B**

**Section:**

**QUESTION 96**

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.

**Correct Answer: D**

**Section:**

**QUESTION 97**

SmartThin provided by HUAWEI OceanStor 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

**Correct Answer: A**

**Section:**

**QUESTION 98**

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

- A. TRUE
- B. FALSE

**Correct Answer: A**

**Section:**

**QUESTION 99**

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

- A. RAID 1
- B. RAID 5
- C. RAID 0+1
- D. RAID 50

**Correct Answer: A, B, D**

**Section:**



**QUESTION 100**

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

**Correct Answer: C**

**Section:**

**QUESTION 101**

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.

**Correct Answer: A**



**Section:**

**QUESTION 102**

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

**Correct Answer: A, B, C**

**Section:**

**QUESTION 103**

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

- A. TRUE
- B. FALSE

**Correct Answer: A**

**Section:**

**QUESTION 104**

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

**Correct Answer: A**

**Section:**

**QUESTION 105**

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.

**Correct Answer: D**

**Section:**

**QUESTION 106**

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.

**Correct Answer: C**

**Section:**

**QUESTION 107**

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

**Correct Answer: D**

**Section:**

**Explanation:**

Fibre Channel defines three port types: E-Port, F-Port, and G-Port. NL-Port is not a port type defined by Fibre Channel.

**QUESTION 108**

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

- A. Poor scalability
- B. Large investment
- C. Difficult resource sharing
- D. Decentralized management

**Correct Answer: B**

**Section:**

**QUESTION 109**

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.

**Correct Answer: A, C, D**

**Section:**

**QUESTION 110**

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.

**Correct Answer: A**  
**Section:**

**QUESTION 111**

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

- A. TRUE
- B. FALSE

**Correct Answer: B**  
**Section:**

**QUESTION 112**

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

- A. TRUE
- B. FALSE

**Correct Answer: A**  
**Section:**



**QUESTION 113**

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

- A. NL-SAS
- B. SAS
- C. SSD
- D. SATA

**Correct Answer: C**  
**Section:**

**QUESTION 114**

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

**Correct Answer: A**  
**Section:**

**QUESTION 115**

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

**Correct Answer: B**

**Section:**

**QUESTION 116**

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.

**Correct Answer: D**

**Section:**

**QUESTION 117**

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.

**Correct Answer: A, B, C**

**Section:**

**QUESTION 118**

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.

**Correct Answer: B**

**Section:**

**QUESTION 119**

What does the term RPO mean?

- A. Return Purchase Order



- B. Recover Plan Objective
- C. Restore Point Objective
- D. Recovery Point Objective

**Correct Answer: D**

**Section:**

**QUESTION 120**

Statement 1: We have 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.

**Correct Answer: D**

**Section:**

**QUESTION 121**

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.



**Correct Answer: A, B, C**

**Section:**

**QUESTION 122**

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

**Correct Answer: A**

**Section:**

**QUESTION 123**

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

**Correct Answer: A**

**Section:**

**QUESTION 124**

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.

**Correct Answer: B**

**Section:**

**QUESTION 125**

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

- A. TRUE
- B. FALSE

**Correct Answer: A**

**Section:**



**QUESTION 126**

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.

**Correct Answer: C**

**Section:**

**QUESTION 127**

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

- A. TRUE
- B. FALSE

**Correct Answer: A**

**Section:**

**QUESTION 128**

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.

**Correct Answer: B, D**

**Section:**

**QUESTION 129**

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.

**Correct Answer: A, B, D**

**Section:**

**Explanation:**

=====

**QUESTION 130**

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

**Correct Answer: C**

**Section:**

**QUESTION 131**

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

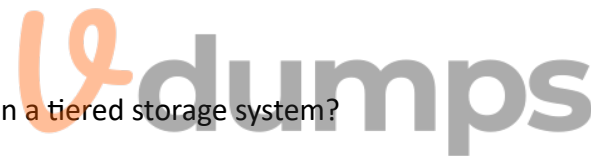
- A. Block based storage.
- B. Long distance connections not possible.
- C. Contains no Single Points Of Failure.
- D. Multiple protocols possible.

**Correct Answer: B**

**Section:**

**QUESTION 132**

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.

**Correct Answer: D**

**Section:**

#### QUESTION 133

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

**Correct Answer: B**

**Section:**

#### QUESTION 134

Select the correct statements about the structure and functions of the hard disk components.

(Choose all that apply.)

- A. Disk platter is responsible of storing data in binary form.
- B. The disk connector is responsible of connection and rotation of the platter.
- C. The spindle is responsible for sending commands to the disk head.
- D. The actuator is responsible of moving the Read/Write arm.

**Correct Answer: A, D**

**Section:**

#### QUESTION 135

Statement 1: We have 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. Statement 1 is true and statement 2 is false.
- B. Statements 1 and 2 are both true.
- C. Both statements 1 and 2 are false.
- D. Statement 1 is false and statement 2 is true.

**Correct Answer: C**

**Section:**

#### QUESTION 136

What statement is true?





- A. IT managers should determine the retention period for data.
- B. Information Life Cycle management must be based on the costs for the storage hardware.
- C. Storing a lot of random, unstructured data can become a management problem for many companies.
- D. Technology is the main factor that decides which disaster recovery method will be implemented.

**Correct Answer: B**

**Section:**

**QUESTION 137**

HyperReplication for HUAWEI OceanStor can use FC links the data centers. ISCSI links are not supported.

- A. TRUE
- B. FALSE

**Correct Answer: B**

**Section:**

**QUESTION 138**

Storage refers to physical devices that is able to store and save data for user access.

- A. FALSE
- B. TRUE

**Correct Answer: B**

**Section:**

**QUESTION 139**

Which of the following cloud service model deals with providing storage, network servers and virtualization of resources?

- A. Infrastructure As A Service (IaaS)
- B. Storage As A Service (IaaS)
- C. Software As A Service
- D. Platform As A Service (PaaS)

**Correct Answer: C**

**Section:**

**QUESTION 140**

Statement 1: RAID 2.0+ offers better protection against data loss than traditional RAID and it performs much better Statement 2: To rebuild a RAID 2.0+ protected failed drive takes a lot of time as all drives are involved in the rebuild of the spare disk.

- A. Statement 1 is true; Statement 2 is false.
- B. Statement 1 and 2 are false.
- C. Statement 1 is false; Statement 2 is true.
- D. Statement 1 and 2 are true.



**Correct Answer: A**

**Section:**

**QUESTION 141**

When a RAID configuration is in a degraded state it means that no data has been lost yet.

- A. FALSE
- B. TRUE

**Correct Answer: B**

**Section:**

**QUESTION 142**

Which of the following are advantages of NAS storage system over file servers? (Multiple Choice)

- A. High data security
- B. Drivers service and powerful function
- C. Large storage space
- D. High stability and reliability

**Correct Answer: A, C, D**

**Section:**

**QUESTION 143**

For all operating systems there is a specific version of Huawei UltraPath multipathing software.

- A. FALSE
- B. TRUE

**Correct Answer: A**

**Section:**

**QUESTION 144**

The following description about Huawei RAID2.0+ technology is correct: (multiple choices)

- A. The hard disk type of each storage layer in the hard disk domain is the same
- B. The hard disk space is divided into fixed-size blocks
- C. Users can set "RAID policy" for each storage layer in the storage pool
- D. grain as the minimum granularity of data migration and the basic unit that constitutes Thin LUN

**Correct Answer: A, B, C**

**Section:**

**Explanation:**

Analysis: The OceanStor storage system divides the Chunk Group (CKG) into smaller Extents. Extent as a number According to the minimum granularity of migration and the basic unit constituting Thin LUN, the default is 4MB. For Thin LUN or file system, A more fine-grained division (Grain) will be performed on the Extent, and it will be mapped to the Thin LUN and file system in the unit of Grain System.

Answer: A. B. C

**QUESTION 145**



SmartThin is a storage space management provided by Huawei OceanStor storage system to allocate storage resources on demand Technology, based on virtualization technology, SmartThin reduces the deployment of physical storage resources and maximizes storage space Utilization rate.

- A. yes
- B. wrong

**Correct Answer: A**

**Section:**

**QUESTION 146**

The following description of the hard disk domain in Huawei RAID 2.0+ technology, the error is:

- A. A hard disk domain is a group of hard disks
- B. A hard disk can only belong to one hard disk domain
- C. OceanStor storage system can create one or more hard disk domains
- D. In the hard disk domain, the types of hard disks are the same, and the size and speed of the hard disks must be consistent.

**Correct Answer: D**

**Section:**

**Explanation:**

Analysis: In a hard disk domain, the same type of hard disk constitutes a storage layer, and then each storage layer according to certain rules Divided into Disk Group, there is no requirement that the size and speed of the hard disk should be consistent.

**QUESTION 147**

Cloud computing business models are: (multiple choices)

- A. IaaS
- B. PaaS
- C. SaaS
- D. MaaS

**Correct Answer: A, B, C**

**Section:**

**QUESTION 148**

The Huawei OceanStor SmartTier feature can be used to place data on specified disk types.

- A. TRUE
- B. FALSE

**Correct Answer: A**

**Section:**

**QUESTION 149**

The following description about CIFS and NFS sharing is incorrect: (multiple choices)

- A. CIFS is a protocol based on network sharing, which has high requirements on the reliability of network transmission, so it is usually adopted Transmission using TCP protocol
- B. One disadvantage of CIFS is that Windows clients must install professional software



- C. NFS is a stateless protocol, and CIFS is a stateful protocol. NFS can recover from link failures. Recovery, and CIFS cannot
- D. Regardless of the CIFS or NFS protocol, the client needs to convert the file format

**Correct Answer: B, D**

**Section:**

**QUESTION 150**

A bank will launch a business system, which has very high performance and security requirements, and the database uses Oracle data Database and plan to deploy the Oracle database to a storage system, then create a RAID group for the Oracle database At this time, the optimal RAID strategy should be:

- A. RAID 1
- B. RAID 5
- C. RAID 6
- D. RAID 10

**Correct Answer: D**

**Section:**

**QUESTION 151**

The SCSI protocol can be used not only for communication between the host and the disk, but also for communication between the host and the physical tape library, optical disc, and so on.

- A. TRUE
- B. FALSE



**Correct Answer: A**

**Section:**

**QUESTION 152**

In the Huawei OceanStor storage system, a customer plans to deploy a business system, the database uses Oracle data, the average data block size is 16KB. when using SmartTier features, the following data migration granularity, the most The advantages are:

- A. 512KB
- B. 4MB
- C. 32MB
- D. 64MB

**Correct Answer: A**

**Section:**

**QUESTION 153**

Which of the following methods can achieve the optimal RTO?

- A. Disk-disk
- B. Disk-disk-tape

- C. remote replication
- D. Virtual tape library

**Correct Answer: C**

**Section:**

**QUESTION 154**

In Huawei OceanStor, what unit is Thick LUN applying for space from the storage system?

- A. grain
- B. chunk
- C. stripe
- D. extent

**Correct Answer: D**

**Section:**

**Explanation:**

Analysis: Several Extents form a volume, and the volume is externally reflected as the LUN accessed by the host (here LUN is Thick LUN). When processing user read/write requests and data migration, the LUN applies to the storage system Space, free space, and data migration are all performed in units of Extent. For example: when a user creates a LUN, he can refer to The fixed capacity is obtained from a certain storage tier. At this time, the LUN is composed of the specified extent on the certain storage tier. In user After the business starts to run, the storage system will, according to the migration strategy set by the user, for frequently accessed data and less visited Questioned data is migrated between storage tiers (this feature requires the purchase of a SmartTier License). At this time, the data on the LUN It will be distributed to each storage layer of the storage pool in the unit of Extent.

**QUESTION 155**

Most of the data generated by the Internet industry is structured data, which accounts for about 80% of the total data.

- A. TRUE
- B. FALSE

**Correct Answer: B**

**Section:**

**Explanation:**

Analysis: Most of the data generated by the Internet industry is unstructured data.

**QUESTION 156**

The following two descriptions about cloud computing, Description 1. A deployment model of cloud computing is to divide a large physical server into multiple small virtual machines; Description 2. A deployment model of cloud computing is to aggregate multiple small physical servers into one mainframe.

- A. description 1 and description 2 are correct
- B. Description 1 is correct, description 2 is incorrect
- C. Description 1 is wrong, description 2 is correct
- D. description 1 and description 2 are wrong

**Correct Answer: A**

**Section:**

**QUESTION 157**

Multipath software can only be used in IP-SAN.



- A. TRUE
- B. FALSE

**Correct Answer: B**

**Section:**

**Explanation:**

Analysis: It is also needed in the dual control of the low-end SAN/NAS converged storage architecture; FC SAN is also required.

**QUESTION 158**

Regarding the characteristics of DAS, the following description is correct: (multiple choice)

- A. The number of ports that can be connected to the host is limited
- B. When maintaining internal DAS, the system needs to be powered off
- C. If the storage space is tight, the DAS can share the remaining space of the DAS with excess storage resources
- D. When multiple hosts are connected to DAS, they can provide services of different service levels

**Correct Answer: A, B**

**Section:**

**QUESTION 159**

In Huawei OceanStor based on RAID2.0+, when a user creates a file system, the system will automatically create it first Correspond to the LUN, and generate a file system on the LUN.

- A. TRUE
- B. FALSE



**Correct Answer: B**

**Section:**

**Explanation:**

Resolution: LUN needs to be created manually

**QUESTION 160**

A company belongs to the field of banking and finance, with a large amount of business data and high security requirements. What kind of RAID is suitable for this company? level?

- A. RAID 0
- B. RAID 1
- C. RAID 5
- D. RAID 10

**Correct Answer: D**

**Section:**

**QUESTION 161**

When the hard disk has bad sectors or blocks, which reconstruction method is used?

- A. Total reconstruction
- B. Local reconstruction

- C. recovery and reconstruction
- D. Local reconstruction

**Correct Answer: B**

**Section:**

**QUESTION 162**

What is wrong about the snapshot technology below?

- A. When rolling back a file system snapshot, you must cancel the shared mount of the source file system
- B. After opening multiple snapshots on the same file system, roll back to one of the snapshots. After the rollback is complete, the target will be deleted All snapshots after the snapshot creation time
- C. When manually creating a snapshot for a file system, it will not be possible to create a new file system for the file system if it exceeds the product specification limit 'S snapshot
- D. When creating a periodic snapshot for the file system, the storage system automatically deletes the earliest created snapshot and automatically generates a new snapshot Photos

**Correct Answer: D**

**Section:**

**QUESTION 163**

For random access to mechanical disks, the most significant impact on the time it takes to complete an IO is:

- A. Seeking time
- B. Rotation delay
- C. Data transfer time

**Correct Answer: A**

**Section:**



**QUESTION 164**

The InfiniBand interface is used as the front-end host interface in Huawei OceanStor unified storage, which can flexibly support direct connection and Multiple networking modes of switches.

- A. TRUE
- B. FALSE

**Correct Answer: B**

**Section:**

**QUESTION 165**

Which of the following descriptions of NAS solutions are correct? (Multiple choice)

- A. NAS provides storage resources through file-level data access and sharing
- B. Can provide external sharing through FC network
- C. Mainly use CIFS and NFS protocols
- D. IP network interconnection between NAS client and NAS storage device

**Correct Answer: A, C, D**

**Section:**

**QUESTION 166**

The hard disk domain supports online addition of hard disks, and the storage pool supports online expansion.

- A. TRUE
- B. FALSE

**Correct Answer: A**

**Section:**

**QUESTION 167**

Which of the following operations is a daily maintenance item in data center storage?

- A. View and handle alarms
- B. Inspection storage equipment
- C. Check the computer room environment
- D. Check the internal environment of the rack

**Correct Answer: A**

**Section:**

**QUESTION 168**

Description 1: HyperMirror has a LUN failure, the host service is not interrupted, the HyperClone primary LUN fails, and the host service is interrupted.

Description 2: HyperMirror supports dual copies, HyperClone supports a maximum of 1 master LUN:  
16 slave LUN mode.

- A. description 1 is correct, description 2 is correct
- B. description 1 is correct, description 2 is wrong
- C. description 1 is wrong, description 2 is correct
- D. description 1 is wrong, description 2 is wrong

**Correct Answer: B**

**Section:**

**Explanation:**

Analysis: HyperMirror (volume mirroring): by providing two mirrored physical copies for local LUNs or LUNs of third-party storage systems, continuous redundant backup protection of LUNs, thereby improving LUN reliability, reducing disaster risk and operation and maintenance costs . HyperClone (clone) can achieve full backup of LUN level without interrupting the host business, available

**QUESTION 169**

In data backup and recovery, application testing and data analysis scenarios. HyperClone supports up to 1 master: 8 slave LUN mode. The knowledge points come from HCNA-Storage.0 textbooks and official product documentation.

The following descriptions for SAN and NAS are correct: (multiple choices)

- A. SAN is more used in the database scenario to store this structured data.
- B. Now NAS is for unstructured data storage, such as the sharing of key office documents and centralized storage by many department employees. file server.
- C. DAS, NAS, and SAN are all external storage, so storage resource sharing can be easily achieved.
- D. The characteristic of NAS is to put the file system of the server in the storage, so that the server needs to share data through the network.

**Correct Answer: A, B, D**

**Section:**



**QUESTION 170**

What are the main elements of the disaster recovery system? (Multiple choice)

- A. Backup window
- B. RTO
- C. RPO
- D. backup capacity

**Correct Answer: A, B, C**

**Section:**

**QUESTION 171**

Compare NAS storage and SAN storage in terms of principle, performance, cost, sharing, and application scenarios. Which of the following descriptions is correct? (Multiple choice)

- A. NAS performance is higher than SAN, cost is higher than SAN
- B. SAN is mainly suitable for file sharing scenarios, sharing is more convenient
- C. NAS is a storage device with a file system. Sharing files through the network is equivalent to a host in the network.
- D. SAN is a high-speed fiber-connected disk network. It provides disk resources to the host. It has no file system and is equivalent to a network. A hard drive in the

**Correct Answer: C, D**

**Section:**

**QUESTION 172**

HA (High Availability) refers to the ability to continue to access applications in the event of a single component failure in the local system. In a data center, the downtime is one hour a year, so what is the HA of the data center?

- A. 0.99999
- B. 0.9998858
- C. 0.999999
- D. 0.998934

**Correct Answer: B**

**Section:**

**Explanation:**

Analysis:  $HA = 1 - (\text{downtime} / (\text{downtime} + \text{run time}))$  4 9s: 0.9999 52.56 minutes/year 5 9s:

0.99999 5.265 minutes/year 6 9s: 0.999999 seconds/year

**QUESTION 173**

In the backup system, the data that needs to be backed up must go through the media server before being stored in the backup medium.

- A. right
- B. FALSE

**Correct Answer: A**

**Section:**

**QUESTION 174**

The process of regenerating all user data and check data on the failed disk in the mirrored array or RAID array is called:

- A. Recalculate
- B. rebuild
- C. hot backup
- D. restore

**Correct Answer: B**

**Section:**

**QUESTION 175**

Due to the earthquake, an enterprise's IT system went down at 16:00 on November 11th and the business was stopped. By 23:00 on that day, the IT system resumed operation, and the data at 12:00 on that day could be restored. Then this

RTO What is the difference between RPO and RPO?

- A. RTO=4 hours, RPO=7 hours
- B. RTO=7 hours, RPO=4 hours
- C. RTO=2 hours, RPO=4 hours
- D. RTO=7 hours, RPO=3 hours

**Correct Answer: B**

**Section:**

**QUESTION 176**

A company needs to make a backup strategy. The company has a small amount of backup data, and hopes to back up in a short time and save storage space to the maximum. What type of backup do you recommend?

- A. Full backup
- B. cumulative incremental backup
- C. differential incremental backup

**Correct Answer: C**

**Section:**

**Explanation:**

Analysis: Cumulative incremental backup: a full backup once a week, the rest of the week and the difference between the last backup and the last backup.

Differential incremental backup: a full backup once a week, and the difference between the daily backup and the full backup for the rest of the week.

**QUESTION 177**

What are the networking methods of FC SAN? (Multiple choice)

- A. Direct connection
- B. single exchange
- C. double exchange
- D. arbitration ring

**Correct Answer: A, B, C**

**Section:**

**QUESTION 178**

A bank needs to ensure data security and use it to transfer large databases. What kind of storage network architecture is the bank suitable for?

- A. IP SAN
- B. FC SAN
- C. DAS
- D. NAS

**Correct Answer: B**  
**Section:**

**QUESTION 179**

Xiao Wang, an employee of a company, serves as the storage system administrator of the company.

When he uses two sets of OceanStor5500 as a disaster recovery solution, only one of them is required to configure data remote replication software.

- A. right
- B. FALSE

**Correct Answer: B**  
**Section:**

**QUESTION 180**

Users of a company can automatically report the alarm of the storage device connected to it to the Huawei Service Support Center through a management software. Excuse me, what software is this user using?

- A. DeviceManager
- B. CLI management interface
- C. Toolkit
- D. eService

**Correct Answer: D**  
**Section:**

**QUESTION 181**

When the Windows copy program copies local files to the file system, the file system block size of the Huawei OceanStor storage system is the default, which ensures the full use of storage space.

- A. right B. wrong

**Correct Answer:**  
**Section:**

**Explanation:**

The SmartCache feature in Huawei OceanStor series products can only improve read performance, not write performance.

- A. right
  - B. FALSE answer: A Analysis: The SmartCache feature improves the access efficiency of read hotspot data in the storage system by copying the read hotspot data to the SmartCache pool.
- Explanation:

**QUESTION 182**

According to the changes in the amount of backup data, the types of backup can be divided into:

- A. Real-time backup



- B. full backup
- C. incremental backup
- D. differential backup

**Correct Answer: B, C, D**

**Section:**

**QUESTION 183**

The following are the advantages of SSD hard drives compared with mechanical hard drives. The description is correct: (multiple choices)

- A. No high-speed rotating parts, high performance
- B. Support TCQ/NCQ, corresponding to multiple IO requests
- C. SSD disk at a time is more suitable for use in scenarios that require large storage capacity
- D. SSD can be used in some harsh environments, such as high temperature and humidity, strong earthquakes and other harsh environments.

**Correct Answer: A, B, D**

**Section:**

**QUESTION 184**

What is the synchronization cycle time limit for asynchronous remote replication?

- A. 1s~144min
- B. 3s~144min
- C. 1s~300min
- D. 3s~300min

**Correct Answer: B**

**Section:**

**Explanation:**

Resolution: 3 seconds to 1440 minutes

**QUESTION 185**

Among the components of the mechanical disk, the parts responsible for reading and writing data are:

- A. Disc
- B. Read/write head
- C. Magnetic head arm
- D. Spindle

**Correct Answer: B**

**Section:**

**QUESTION 186**

LAN Free and Server Free are backup networking methods that have little impact on host performance.

- A. TRUE
- B. FALSE



**Correct Answer: A**

**Section:**

**Explanation:**

Analysis: Both LAN Free and Server Free backup are based on SAN.

LAN Free backup, advantages: low server load, optimized data transmission efficiency; disadvantages: SAN layout fee High cost, equipment must be compatible with SAN Server Free backup, advantages: lowest server load, greatly optimized data transmission efficiency; disadvantages: SAN distribution The cost of installation is high, and the device must be compatible with the SAN, which requires third-party device support.

**QUESTION 187**

Which of the following statements about RAID 5 and RAID 10 are correct?

- A. The sequential read performance of RAID 5 is lower than RAID 10
- B. If the front-end pressure is sufficient, the sequential write performance of RAID 5 is higher than that of RAID 10.
- C. The random read performance of RAID 5 is lower than RAID 10
- D. The random write performance of RAID 5 is higher than RAID 10

**Correct Answer: B**

**Section:**

**QUESTION 188**

The following description of common storage protocols is correct?

- A. The ATA protocol uses a parallel interface, which can only be built-in and requires cable length
- B. The SCSI protocol does not support hot swap
- C. A SAS domain can connect 15 devices
- D. FC protocol has good compatibility and long transmission distance



**Correct Answer: A**

**Section:**

**Explanation:**

Analysis: Both SCSI and SAS support hot swapping; a SAS domain can support up to 16384 devices.

**QUESTION 189**

Xiao Wang, an employee of a small business, accessed the CIFS protocol on a Linux application server supported by his company's storage system Ask about shared files.

- A. TRUE
- B. FALSE

**Correct Answer: B**

**Section:**

**Explanation:**

Analysis: Linux uses NFS protocol; Windows uses CIFS protocol

**QUESTION 190**

Regarding data-level, application-level and business-level disaster recovery, is the following statement correct?

- A. About RTO, data level <application level<business level
- B. About RTO, data level <business level <application level
- C. About TCO, data level <application level<business level

D. About TCO, business level <data level <application level

**Correct Answer: C**

**Section:**

**QUESTION 191**

From the perspective of the cloud computing business model, Huawei network disks belong to PaaS.

- A. TRUE
- B. FALSE

**Correct Answer: B**

**Section:**

**Explanation:**

Analysis: Huawei network disk belongs to SaaS (software as a service) or STaaS (storage as a service).

**QUESTION 192**

A company has sufficient client server resources, but network resources are tight. Which deduplication strategy is suitable?

- A. file-level deduplication
- B. Byte-level deduplication
- C. source deduplication
- D. Deduplication on the target side

**Correct Answer: C**

**Section:**

**Explanation:**

Analysis: Byte-level deduplication belongs to target-end deduplication

**QUESTION 193**

The server with Linux operating system installed accesses the disk array based on the RAID 5 strategy.  
The order is:

- A. File system->Application system->Volume->I/O subsystem->RAID controller->Disk
- B. Application System->File System->Volume->I/O Subsystem->RAID Controller->Disk
- C. Application system->File system->I/O subsystem->Volume->RAID controller->Disk
- D. Application system->File system->Volume->RAID controller->I/O subsystem->Disk

**Correct Answer: C**

**Section:**

**Explanation:**

Resolution: IO subsystem first and then volume.

**QUESTION 194**

Host-level disaster recovery has less investment and better compatibility.

- A. TRUE
- B. FALSE



**Correct Answer: A**

**Section:**

**QUESTION 195**

An enterprise adopts cloud-level primary and backup data-level disaster tolerance. During business planning, two types of storage can be divided according to actual needs.

LUN: Protected LUN and unprotected LUN, create VMs that need disaster recovery on the protected LUN, and configure only the protected LUN Set up array replication to save the storage space requirements of the disaster recovery center.

- A. TRUE
- B. FALSE

**Correct Answer: A**

**Section:**

**QUESTION 196**

Among the following options, what is the correct sequence of the basic business configuration process for data center block storage?

- A. Create a mapping view. 2. Create a storage pool. 3. Create a hard disk domain. 4. Create a LUN and create a LUN group. 5. Create a host group. 6. Log in to DeviceManager
- B. 6->2->3->4->5->1
- C. 6->3->2->4->5->1
- D. 3->2->4->5->1->6
- E. 4->5->2->3->1->6

**Correct Answer: B**

**Section:**



**QUESTION 197**

The following description of the characteristics of the LAN-FREE backup method is incorrect:

- A. The backup data stream does not occupy LAN resources
- B. The backup proxy does not affect the performance of the application server
- C. Backup performance is usually higher than LAN-BASED
- D. Does not affect user network performance

**Correct Answer: B**

**Section:**

**Explanation:**

Resolution: The backup proxy will affect the performance of the application server.

**QUESTION 198**

Description 1: When Windows mounts a CIFS share with the same IP address (domain name or machine name), the same user can You can mount one or more shares at the same time, but you cannot use different users to mount the same or different shares.

Description 2: Windows cannot share multiple Homedir shares with the same IP address (domain name or machine name) The user mounts multiple shares.

- A. Description 1 is correct, description 2 is correct
- B. Description 1 is correct, description 2 is incorrect

- C. Description 1 is wrong, description 2 is correct
- D. Description 1 error, description 2 error

**Correct Answer: A**

**Section:**

**QUESTION 199**

Which of the following descriptions of refactoring is incorrect?

- A. RAID 0,1,3,5,6 and 10 support reconstruction
- B. Reconfiguration does not necessarily require hot spare disks
- C. reconstruction has an impact on RAID performance
- D. Reconstruction will not interrupt RAID business

**Correct Answer: A**

**Section:**

**QUESTION 200**

The dual switch network design is widely used in the FC SAN environment. The following description of the dual switch network redundancy design, Which ones are correct? (Multiple choice)

- A. Deploy two FC switches in a SAN environment to cross connect to the two controllers of the storage device
- B. Each host requires 2 available FC ports, and connects the two ports to different switches
- C. The host port and storage device port on the switch that need to communicate must be in the same zone
- D. Although there are multiple paths, the dual-switch network only supports link redundancy and does not support load balancing

**Correct Answer: A, B, C**

**Section:**

**QUESTION 201**

The data center is an infrastructure built for accessing and carrying server services. According to the business, the data center can be Divided into: (multiple choices)

- A. Cloud data center
- B. Enterprise data center
- C. Carrier data center
- D. Internet Data Center

**Correct Answer: B, C, D**

**Section:**

**QUESTION 202**

Two CKs in a CKG of RAID2.0+ can come from the same hard disk.

- A. TRUE
- B. FALSE

**Correct Answer: B**

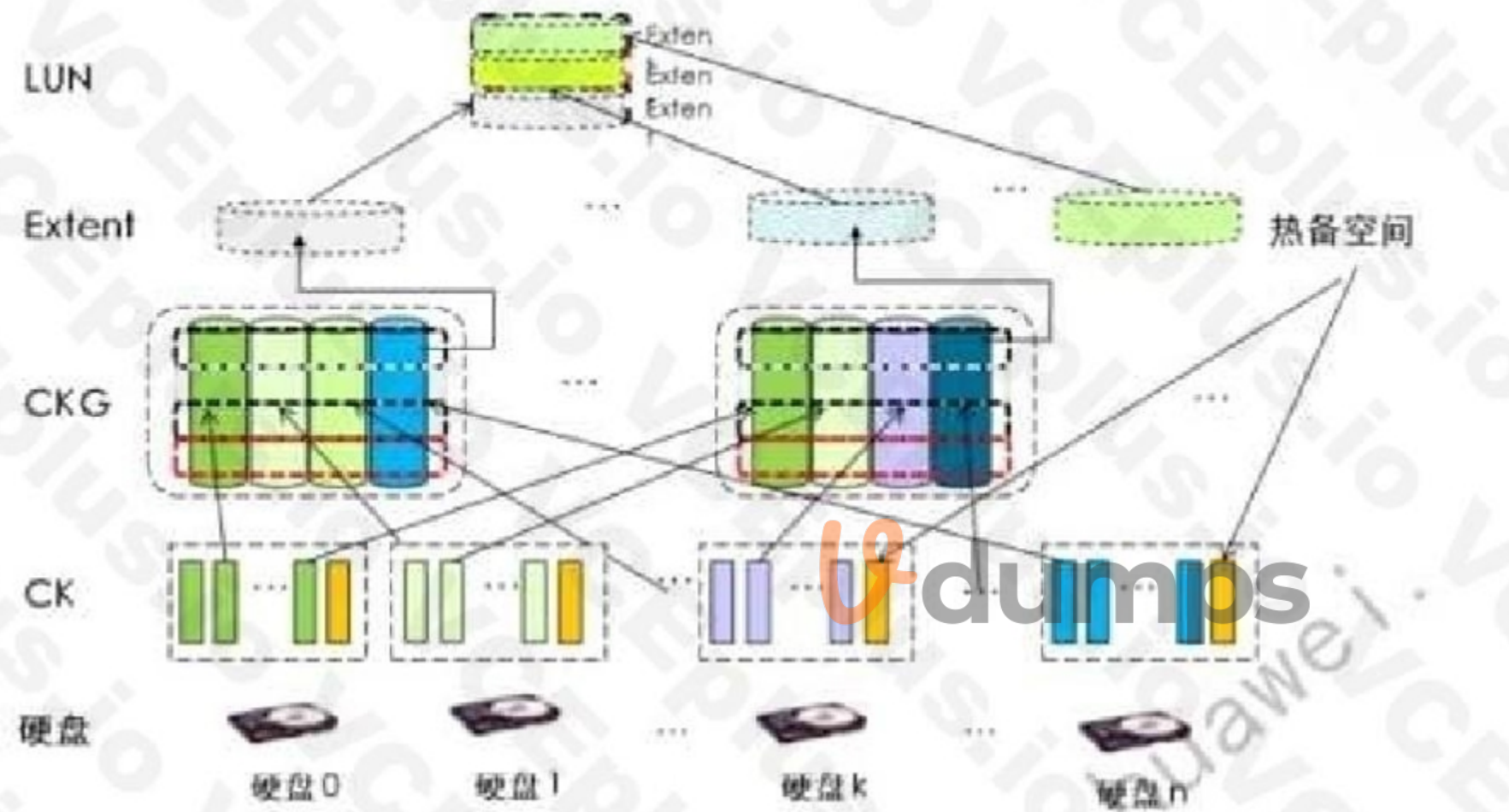
**Section:**



Explanation:

Resolution:

## RAID 2.0+ 基本原理



CKG is a logical storage unit composed of CKs from different hard drives in the same DG according to the RAID algorithm. The smallest unit of resources allocated by the pool from the hard disk domain.

### QUESTION 203

What is wrong with the following description of NAS? (Multiple choice)

- A. NAS devices can use cluster technology for failover
- B. NAS provides a centralized management console, which can effectively manage the file system
- C. Do not allow the NAS to be accessed by multiple clients at the same time
- D. A client cannot connect to multiple NAS devices at the same time

Correct Answer: C, D

Section:

### QUESTION 204

Which of the following is not a backup type?

- A. Full backup
- B. Cumulative incremental backup
- C. Differential incremental backup
- D. real-time backup

**Correct Answer: D**

**Section:**

**QUESTION 205**

Which statement about SCSI is false?

- A. SCSI stands for "Small Computer System Interface". It is a protocol system
- B. SCSI supports communication between different devices.
- C. The latest protocol is SCSI-3, which provides a transmission speed of up to 1 GB/s
- D. The evolution is SCSI-1 > SCSI-2 > SCSI-3.

**Correct Answer: D**

**Section:**

**Explanation:**

The evolution is SCSI-1 > SCSI-2 > SCSI-3. SCSI stands for "Small Computer System Interface", and it is a protocol system that supports communication between different devices. The latest protocol is SCSI-3, which provides a transmission speed of up to 1 GB/s. The evolution of SCSI is SCSI-1 > SCSI-2 > SCSI-4 > SCSI-3.

**QUESTION 206**

Which of the following is incorrect regarding the differences of IP SAN and FC SAN?



- A. IP SAN uses iSCSI protocol for data transmission.
- B. IP SAN can connect to FC SAN without any additional protocols.
- C. FC SAN uses FC protocol for data transmission
- D. Both encapsulates the SCSI command with their underlying protocol before transmission

**Correct Answer: B**

**Section:**

**Explanation:**

IP SAN and FC SAN are different types of storage area networks (SANs) that use different protocols for data transmission.

IP SAN uses the iSCSI protocol for data transmission. It is a block-level protocol that allows data to be transferred over IP networks and it allows to connect hosts and storage systems over long distances using standard Ethernet networks.

FC SAN uses the Fibre Channel (FC) protocol for data transmission. It is a dedicated protocol that uses a dedicated cabling and a specialized switch infrastructure to connect hosts and storage systems.

Both IP SAN and FC SAN encapsulate the SCSI command with their underlying protocol before transmission, but they cannot connect to each other without additional protocols such as Fibre Channel over IP (FCIP) or Internet SCSI (iSCSI) which are used to tunnel Fibre Channel or iSCSI over an IP network.

**QUESTION 207**

Which of the data storage types are classified based on data access frequency?

- A. Online storage
- B. Unified storage
- C. Nearline storage
- D. Offline storage

**Correct Answer: A, C, D**

**Section:**

**Explanation:**

Nearline storage is a type of data storage that is classified based on data access frequency, with online storage being for frequent access, nearline storage for occasional access, and offline storage for rare access. Unified storage combines the features of online, nearline and offline storage into a single solution.

**QUESTION 208**

What are the advantages of SSDs over HDDs? (Select All that Apply)

- A. Larger capacity
- B. Better environmental adaptability
- C. Faster read/write speed for random access
- D. Longer service life

**Correct Answer: B, C, D**

**Section:**

**Explanation:**

The correct answers are B. Better environmental adaptability, C. Faster read/write speed for random access, and D. Longer service life. SSDs (solid-state drives) offer several advantages over HDDs (hard disk drives), including better environmental adaptability, faster read/write speed for random access, lower power consumption, and a longer service life. SSDs also tend to have smaller form factors, making them ideal for many mobile applications. However, HDDs typically offer larger capacity than SSDs.

Solid-state drives (SSDs) are a type of data storage device that have several advantages over hard disk drives (HDDs).

Better environmental adaptability: SSDs are not affected by temperature, humidity, or altitude changes, and they are more resistant to shock and vibration than HDDs.

Faster read/write speed for random access: SSDs have no moving parts, which means that data can be read and written much faster than on HDDs, especially for random access to small files.

Longer service life: SSDs have no moving parts, so they are less likely to fail due to mechanical issues.

They also have a higher maximum read/write cycle than HDDs, which means that they can handle more write operations over their lifetime.

Larger capacity: SSDs are not always have larger capacity than HDDs, it depends on the specific model and brand.

**QUESTION 209**

An Internet company plans to purchase a storage device to store archived service data and online transaction data. SSDs are expensive and HDDs cannot meet the performance requirements of online services.

Which features CANNOT solve this problem? (Select All that Apply)

- A. SmartMigration
- B. HyperMetro
- C. SmartTier
- D. HyperClone

**Correct Answer: A, D**

**Section:**

**Explanation:**

The correct answers are A. SmartMigration and D. HyperClone. SmartMigration and HyperClone are features designed to manage storage and do not directly address the performance requirements of online services.

SmartTier and HyperMetro are features designed to address performance requirements by tiering storage based on data access frequency and allowing for the replication of data across multiple sites.

**QUESTION 210**

The storage system compresses data based on the user-defined compression policy. Which compression policies are supported by Huawei storage systems? (Select All that Apply)

- A. Inline compression before data is written to disks
- B. Inline compression and data read when the system is idle
- C. Post-process compression, where data is first written to disks and then read and compressed when the system is idle

D. Inline compression after data is written to disks

**Correct Answer: A, C**

**Section:**

**Explanation:**

The correct answers are A. Inline compression before data is written to disks and C. Post-process compression, where data is first written to disks and then read and compressed when the system is idle. Huawei storage systems support both inline compression before data is written to disks and post-process compression, where data is first written to disks and then read and compressed when the system is idle. Inline compression after data is written to disks is not supported.

#### QUESTION 211

Which statements are true about the functions of HyperClone? (Select All that Apply)

- A. When the source LUN fails, service data can be recovered from any point in time before the fault occurred using the data backed up through HyperClone.
- B. If a disk failure occurs on the source LUN of HyperClone, you can split the target LUN from the source LUN to continue providing services.
- C. If a logical fault occurs on the source LUN, data can be reversely synchronized from the target LUN to the source LUN to recover services on the source LUN.
- D. Multiple target LUNs can be created through HyperClone to provide the service data on the source LUN for multiple applications.

**Correct Answer: A, C, D**

**Section:**

**Explanation:**

A, C, and D are all true statements about the functions of HyperClone. HyperClone allows you to back up data from a source LUN, and when the source LUN fails, service data can be recovered from any point in time before the fault occurred. Additionally, if a logical fault occurs on the source LUN, data can be reversely synchronized from the target LUN to the source LUN to recover services on the source LUN. Finally, multiple target LUNs can be created through HyperClone to provide the service data on the source LUN for multiple applications.



#### QUESTION 212

As the new storage administrator, you are tasked with the procurement of a new batch of SSD drives to replace the older drives that has reached the end of life. You have the option of SLC, MLC and TLC SSD. Which of the following will be your choice with a limited budget and medium level of reliability concerns? (Select All that Apply)

- A. Purchasing all SLC SSD drives for maximum savings on cost regardless of reliability.
- B. Purchasing all TLC SSD drives for the storage system for the best reliability and performance.
- C. Purchasing the MLC SSD if within budget range for core applications and services for better performance and reliability.
- D. Purchasing SLC SSD drives that has lowest cost and reliability for storage purposes of non critical applications

**Correct Answer: C, D**

**Section:**

**Explanation:**

When choosing between different types of SSDs, the main factor to consider is the trade-off between cost and reliability. SLC (Single-Level Cell) SSDs are the most reliable and have the longest lifespan, but they are also the most expensive. TLC (Triple-Level Cell) SSDs are less reliable than SLC SSDs, but they are also less expensive. MLC (Multi-Level Cell) SSDs are a good balance between cost and reliability, they are more affordable than SLC SSDs and more reliable than TLC SSDs.

#### QUESTION 213

Which statements are true about HyperMetro? (Select All that Apply)

- A. The local and remote sites can run services at the same time
- B. A quorum server must be configured.
- C. HyperClone can be configured only for storage devices of the same model and version
- D. Automatic switchover upon storage faults is supported.

**Correct Answer: A, B, D**

**Section:**

**Explanation:**

HyperMetro allows the local and remote sites to run services at the same time, and a quorum server must be configured. Additionally, automatic switchover upon storage faults is supported. HyperClone can be configured for storage devices of different models and versions.

**QUESTION 214**

Huawei OceanStor hybrid flash storage is used as an example. Which statements are true about IP address failover? (Select All that Apply)

- A. IP address failover applies only to IP SAN and does not apply to other storage network architectures
- B. A failover group is a combination of ports that are used for IP address failover in a storage system.
- C. Fallback means that the faulty port takes over services again after it recovers
- D. IP address failover ensures service continuity and improves the reliability of paths for accessing file systems

**Correct Answer: B, D**

**Section:**

**Explanation:**

A failover group is a combination of ports that are used for IP address failover in a storage system, and IP address failover ensures service continuity and improves the reliability of paths for accessing file systems. IP address failover applies to all storage network architectures, not just IP SAN. Fallback means that the standby port takes over services when the active port fails, and then the active port takes over services again after it recovers.

**QUESTION 215**

Which of the following are the data transmission rates that can be configured on the FC ports on the FC switch in FC SAN given that your cable and SFP supports it? (Select All that Apply)

- A. 8Gb
- B. 11Gb
- C. 4Gb.
- D. 16Gb.



**Correct Answer: A, B, D**

**Section:**

**QUESTION 216**

Which statements are true about distributed storage? (Select All that Apply)

- A. Supports large-scale horizontal expansion
- B. Does not support elastic EC for data redundancy protection.
- C. Supports expansion by addition of nodes to increase both computing capability and storage space
- D. Supports storage resource pooling and virtualization.

**Correct Answer: A, C, D**

**Section:**

**Explanation:**

Distributed storage systems are designed to support horizontal scaling, which means adding more nodes to the system to increase both computing capability and storage space. This enables the system to handle large amounts of data and large numbers of users. Distributed storage systems also support storage resource pooling and virtualization, which allows for efficient use of storage resources and easy management of storage.

**QUESTION 217**

Which of the following statements correctly describe the improvements of SAS technology compared to SCSI? Select All that Apply.

- A. Lower cost than SCSI
- B. Full duplex transmission of data.
- C. Half duplex transmission of data
- D. Higher throughput.

**Correct Answer: B, D**

**Section:**

**Explanation:**

SAS technology offers full duplex transmission of data and higher throughput than SCSI, which makes it more cost-effective and efficient. SAS technology does not offer half duplex transmission of data.

**QUESTION 218**

A company purchased DAS devices to store files and service data at the startup stage. With the increase of service volume and diversity, which problems may occur? (Select All that Apply)

- A. It is difficult to expand the capacity of the DAS architecture after the data volume increases to a certain level.
- B. Data and materials are scattered on different devices and cannot be managed in a centralized manner.
- C. As the number of file servers increases, no more servers can be added to share the DAS storage.
- D. Data and materials are scattered on different devices and hard to be searched for

**Correct Answer: A, B, D**

**Section:**

**Explanation:**

With the increase of service volume and diversity, problems such as difficulty in expanding the capacity of the DAS architecture, data and materials being scattered on different devices and hard to be managed in a centralized manner, and hard to be searched for may occur. Adding more servers to share the DAS storage is not an issue.

**QUESTION 219**

Which of these are O&M standard systems? (Select All that Apply)

- A. International Organization for Standardization 2000 (ISO2000)
- B. Institute of Electrical and Electronics Engineers (IEEE)
- C. Information Technology Infrastructure Library (ITIL)
- D. Storage Networking Industry Association (SNIA)

**Correct Answer: A, C**

**Section:**

**Explanation:**

International Organization for Standardization 2000 (ISO2000) and Information Technology Infrastructure Library (ITIL) are O&M standard systems. Institute of Electrical and Electronics Engineers (IEEE) and Storage Networking Industry Association (SNIA) are not O&M standard systems.

