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Question: 1

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

Question: 2

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

Question: 3

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: 4

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

- A. TRUE
- B. FALSE

Answer: A

Question: 5

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: 6

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

Question: 7

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: BCD

Question: 8

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

- A. TRUE
- B. FALSE

Answer: A

Question: 9

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: CD

Question: 10

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: 11

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.

Answer: C

Question: 12

Connecting an OceanStor 5300 V3 to three disk enclosures requiresSAS cables.

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

Answer: B

Question: 13

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: 14

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

- A. TRUE
- B. FALSE

Answer: B

Question: 15

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

- A. TRUE
- B. FALSE

Answer: A

Question: 16

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: ABC

Question: 17

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

- A. TRUE
- B. FALSE

Answer: A

Question: 18

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

- A. TRUE
- B. FALSE

Answer: A

Question: 19

It is the interconnection via the Internet of computing devices embedded in everyday objects, which enables them to send and receive data

a. Which of the following fits the statement above?

- A. Cloud.
- B. Big Data.
- C. Social Media.

D. Internet Of Things.

Answer: D

Question: 20

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: 21

Which of the following are existing Solid State Disk types? (Multiple Choice)

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

Answer: BCD

Question: 22

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: 23

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

Question: 24

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

- A. TRUE
- B. FALS

Answer: B

Question: 25

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: 26

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: 27

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: BC

Question: 28

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: 29

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: ABC

Question: 30

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: 31

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: 32

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: BCD

Question: 33

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: 34

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: ABC

Question: 35

Which of the following is an example of unstructured data? (Multiple Choice)

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

Answer: AD

Question: 36

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: 37

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: 38

Which of the following disk interface technologies use serial interface technology? (Multiple Choice)

- A. ATA
- B. SATA

- C. sas
- D. IDE

Answer: BCD

Question: 39

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: 40

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: 41

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: ABD

Question: 42

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

- A. TRUE
- B. FALSE

Answer: A

Question: 43

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: 44

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: 45

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: 46

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

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

D. Hub

Answer: A

Question: 47

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: 48

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

Question: 49

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

- A. TRUE
- B. FALSE

Answer: A

Question: 50

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: BCD

Question: 51

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: AB

Question: 52

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

Question: 53

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: 54

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

- A. TRUE
- B. FALSE

Answer: A

Question: 55

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

Question: 56

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

Question: 57

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: 58

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: 59

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: 60

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: 61

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. ln /dev/sdb5 /mnt/sdb5

- C. mount /dev/sdb5 /mnt/sdb5
- D. df/dev/sdb5/mnt/sdb5

Answer: C

Question: 62

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: BCD

Question: 63

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: 64

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: A

Question: 65

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

- A. TRUE
- B. FALSE

Answer: B

Question: 66

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: BD

Question: 67

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: 68

Which of the following storage devices are non volatile? (Multiple Choice)

- A. RAM
- B. Hard Disk
- C. Magnetic Tape
- D. DVD

Answer: BCD

Question: 69

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

- A. TRUE
- B. FALSE

Answer: A

Question: 70

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: 71

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: BD

Question: 72

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: BC

Question: 73

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: BC

Question: 74

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: 75

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: 76

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: ACD

Question: 77

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: 78

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. All of the above.

Answer: C

Question: 79

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

- A. FL_Port
- B. E_Port
- C. TX_Port
- D. UPort

Answer: C

Question: 80

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: CD

Question: 81

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

- A. Coffe 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. Coffe disks cannot be used to save service data.
- D. The first 2 disks in a controller enclosure are coffer disks.

Answer: AB

Question: 82

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

- A. TRUE
- B. FALSE

Answer: A

Question: 83

CIFS can be run on UDP as well as on TCP

- A. TRUE
- B. FALSE

Answer: A

Question: 84

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

- A. TRUE
- B. FALSE

Answer: B

Question: 85

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. C. Hubs allow the separation of collision domains.

Answer: BC

Question: 86

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: ABD

Question: 87

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: 88

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

- A. TRUE
- B. FALSE

Answer: B

Question: 89

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

- A. TRUE
- B. FALSE

Answer: B

Question: 90

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: 91

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

- A. LUN.
- B. Storage.
- C. Target.
- D. Initiator.

Answer: C

Question: 92

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: ABC

Question: 93

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.:name1
- B. iqn. 1998-01. com. huawei.iscshname1
- C. eui.l2345678ABC
- D. eui.0123456789ABCDEF

Answer: BD

Explanation:

Question: 94

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: 95

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: 96

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

A. TRUE

B. FALSE

Answer: B

Question: 97

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: 98

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

- A. TRUE
- B. FALSE

Answer: A

Question: 99

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: 100

Match the operating system with the protocol. The operating systems include:1.Windows 2.Linux 3.Apple OSX; The protocols include: 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: 101

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: 102

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

Question: 103

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: 104

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: 105

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: 106

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

Question: 107

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: 108

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: 109

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: 110

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: 111

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

- A. TRUE
- B. FALSE

Answer: B

Question: 112

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

Question: 113

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: 114

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: 115

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: 116

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: 117

Data and Information are the same thing.

- A. TRUE
- B. FALSE

Answer: B

Question: 118

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

- A. TRUE
- B. FALSE

Answer: B

Question: 119

Which is a typical application example of PaaS?

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

Answer: C

Question: 120

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

- A. TRUE
- B. FALSE

Answer: A

Question: 121

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.

Answer: D

Question: 122

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: 123

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: 124

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: 125

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

- A. TRUE
- B. FALSE

Answer: A

Explanation:

Question: 126

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: 127

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: ABC

Question: 128

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: ABD

Question: 129

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

- A. TRUE
- B. FALSE

Answer: A

Question: 130

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: 131

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: 132

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: 133

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: 134

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: AD

Question: 135

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: 136

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

Question: 137

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: 138

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: 139

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

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

Answer: ABD

Question: 140

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: 141

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: 142

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: ABC

Question: 143

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

- A. TRUE
- B. FALSE

Answer: A

Question: 144

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: 145

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

- a. 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: 146

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: 147

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: 148

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: 149

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: ACD

Question: 150

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: 151

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

- A. TRUE
- B. FALSE

Answer: B

Question: 152

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: 153

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: 154

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: 155

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: 156

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: 157

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: ABC

Question: 158

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

Question: 159

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: AD

Question: 160

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

Question: 161

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

- A. TRUE
- B. FALSE

Answer: B

Question: 162

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: 163

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: BCD

Question: 164

What does the term RPO mean?

- A. Return Purchase Order
- B. Recover Plan Objective
- C. Restore Point Objective
- D. Recovery Point Objective

Answer: D

Question: 165

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.

Answer: D

Question: 166

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: ABC

Question: 167

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: 168

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: 169

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: 170

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

- A. TRUE
- B. FALSE

Answer: A

Question: 171

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

Question: 172

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

- A. TRUE
- B. FALSE

Answer: A

Question: 173

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: BD

Question: 174

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: ABD

Explanation:

Question: 175

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

Question: 176

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: 177

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: 178

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: 179

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: 180

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: 181

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

- A. TRUE
- B. FALSE

Answer: B

Question: 182

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: 183

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: 184

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: 185

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: 186

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

- A. TRUE
- B. FALSE

Answer: B

Question: 187

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: BC

Question: 188

Cloud computing can be used to improve reliability.

- A. TRUE
- B. FALSE

Answer: A

Question: 189

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: 190

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: 191

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: ABCD

Question: 192

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: 193

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: 194

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

- A. TRUE
- C. FALSE

Answer: B

Question: 195

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

Question: 196

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: BD

Question: 197

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

- A. TRUE
- B. FALSE

Answer: A

Question: 198

Storage cache can optimize the speed of the storage system.

- A. TRUE
- B. FALSE

Answer: A

Question: 199

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

Question: 200

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: BC

Question: 201

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

Question: 202

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

Question: 203

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

- A. TRUE
- 8. FALSE

Answer: A

Question: 204

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: 205

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: 206

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: BC

Question: 207

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. 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: 208

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: 209

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: 210

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: 211

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.

Answer: D

Question: 212

The storage controller can only provide processing and caching functions.

- A. TRUE
- B. FALSE

Answer: B

Question: 213

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: 214

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: 215

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

- A. TRUE
- B. FALSE

Answer: A

Question: 216

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: ABC

Question: 217

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

- A. TRUE
- B. FALSE

Answer: A

Question: 218

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

- A. TRUE
- B. FALSE

Answer: B

Question: 219

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: AC

Question: 220

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: 221

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: 222

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

- A. TRUE
- B. FALSE

Answer: B

Question: 223

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: 224

Which of the following is not the benefits of converged storage systems?

- A. The same device is able to provide both block storage and file storage.
- B. Saving of rack space due to integration of equipment into one device.
- C. Converged storage system has better data protection compared to other non-converged systems.
- D. Unified management of storage resources.

Answer: A

Question: 225

The only cable type that can be used to connect disk enclosures is the mini SAS cable.

- A. FALSE
- B. TRUE

Answer: B

Question: 226

Based on common ICT architecture, what effect does network latency have on the performance of networks?

- A. Low latency will cause network performance to drop.
- B. Higher latency has better network performance.
- C. Higher latency allows more data to be transmitted.
- D. Low latency allows quicker data transmission in networks.

Answer: D

Question: 227

Which statement is true?

- A. An extent can be as small as 512 kB and as large as 128 MB.
- B. An extent can be 128 MB. but a grain is always 64 kB.
- C. An extent can be as small as 64 MB and as large as 512 MB.
- D. An extent can be as small as 512 kB and as large as 64 MB.

Answer: D

Question: 228

Statement 1: RAID 2.0+ is NOT based on traditional RAID technologies.

Statement 2: RAID 2.0+ has excellent rebuild characteristics.

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

Answer: A

Question: 229

Statement 1: MLC drives are optimal when used for high intensity writes to that disk.

Statement 2: The latency of SSD drives is about 0.1 s.

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

Answer: A

Question: 230

Statement 1: A port can be listed in multiple zones.

Statement 2: A switch configuration can contain multiple zones.

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

Answer: A

Question: 231

Which of the following operating systems supports the CIFS protocol natively?

- A. Solaris
- B. AIX
- C. FreeBSD
- D. Win7

Answer: D

Question: 232

Select the correct statements that describes the properties of bus technology in ICT architecture. (Choose all that apply.)

- A. Bus technology are only available in serial form.

- B. Bus can be divided into internal bus and external bus.
- C. The CPU needs to go through the memory to directly access the Bus.
- D. Bus is a communication system that transfers data between internal components and external components.

Answer: B,D

Question: 233

What are components of an ICT infrastructure? (Choose all that apply.)

- A. Software
- B. Hosts and Servers
- C. Backup Devices
- D. Network switches

Answer: B,C,D

Question: 234

Which of the following is NOT a component in an IP SAN?

- A. iSCSI storage device
- B. Fibre Channel switch
- C. Ethernet switch
- D. NIC

Answer: C

Question: 235

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.

Answer: A,D

Question: 236

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.

Answer: C

Question: 237

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.

Answer: B

Question: 238

HyperReplication for HUAWEI OceanStor V3 can use FC links the data centers. ISCSI links are not supported.

- A. TRUE
- B. FALSE

Answer: B

Question: 239

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

- A. FALSE
- B. TRUE

Answer: B

Question: 240

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)

Answer: C

Question: 241

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.

Answer: A

Question: 242

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

- A. FALSE
- B. TRUE

Answer: B

Question: 243

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

Answer: A. C. D

Question: 244

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

- A. FALSE
- B. TRUE

Answer: A

Question: 245

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

Answer: ABC

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: 246

SmartThin is a storage space management provided by Huawei OceanStor V3 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

Answer: A

Question: 247

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 V3 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.

Answer: D

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: 248

Cloud computing business models are: (multiple choices)

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

Answer: A. B. C

Question: 249

The Huawei OceanStor V3 SmartTier feature can be used to place data on specified disk types.

- A. TRUE
- B. FALSE

Answer: A

Explanation:

Answer: A

Question: 250

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

Answer: B. D

Question: 251

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

Answer: D

Question: 252

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

Answer: A

Question: 253

In the Huawei OceanStor V3 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

Answer: A

Question: 254

Which of the following methods can achieve the optimal RTO?

- A. Disk-disk
- B. Disk-disk-tape
- C. remote replication
- D. Virtual tape library

Answer: C

Question: 255

In Huawei OceanStor V3, what unit is Thick LUN applying for space from the storage system?

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

Answer: D

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: 256

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

Answer: B

Explanation:

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

Question: 257

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

Answer: A

Question: 258

Multipath software can only be used in IP-SAN.

- A. TRUE
- B. FALSE

Answer: B

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: 259

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

Answer: A. B

Question: 260

In Huawei OceanStor V3 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

Answer: B

Explanation:

Resolution: LUN needs to be created manually

Question: 261

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

Answer: D

Question: 262

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

Answer: B

Question: 263

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

Answer: D

Question: 264

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

Answer: A

Question: 265

The InfiniBand interface is used as the front-end host interface in Huawei OceanStor V3 unified storage, which can flexibly support direct connection and Multiple networking modes of switches.

- A. TRUE
- B. FALSE

Answer: B

Question: 266

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

Answer: A. C. D

Question: 267

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

- A. TRUE
- B. FALSE

Answer: A

Question: 268

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

Answer: A

Question: 269

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

Answer: B

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: 270

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 V3.0 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.

Answer: A. B. D

Question: 271

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

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

Answer: A. B. C

Question: 272

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

Answer: C. D

Question: 273

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

Answer: B

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: 274

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

Answer: A

Question: 275

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

Answer: B

Question: 276

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

Answer: B

Question: 277

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

Answer: C

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: 278

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

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

Answer: A. B. C

Question: 279

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

Answer: B

Question: 280

Xiao Wang, an employee of a company, serves as the storage system administrator of the company. When he uses two sets of OceanStor5500 V3 as a disaster recovery solution, only one of them is required to configure data remote replication software.

- A. right
- B. FALSE

Answer: B

Explanation:

Question: 281

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

Answer: D

Question: 282

When the Windows copy program copies local files to the file system, the file system block size of the Huawei OceanStor V3 storage system is the default, which ensures the full use of storage space.

- A. right B. wrong

answer: B

The SmartCache feature in Huawei OceanStor V3 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.

Question: 283

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

Answer: B. C. D

Question: 284

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.

Answer: A. B. D

Question: 285

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

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

Answer: B

Explanation:

Resolution: 3 seconds to 1440 minutes

Question: 286

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

Answer: B

Question: 287

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

- A. TRUE
- B. FALSE

Answer: A

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: 288

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

Answer: B

Question: 289

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

Answer: A

Explanation:

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

Question: 290

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

Answer: B

Explanation:

Analysis: Linux uses NFS protocol; Windows uses CIFS protocol

Question: 291

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

Answer: C

Question: 292

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

- A. TRUE
- B. FALSE

Answer: B

Explanation:

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

Question: 293

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

Answer: C

Explanation:

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

Question: 294

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

Answer: C

Explanation:

Resolution: IO subsystem first and then volume.

Question: 295

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

- A. TRUE
- B. FALSE

Answer: A

Question: 296

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

Answer: A

Question: 297

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

1. 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

- A. 6->2->3->4->5->1
- B. 6->3->2->4->5->1
- C. 3->2->4->5->1->6
- D. 4->5->2->3->1->6

Answer: B

Question: 298

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

Answer: B

Explanation:

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

Question: 299

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

Answer: A

Question: 300

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

Answer: A

Question: 301

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

Answer: A. B. C

Question: 302

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

Answer: B. C. D

Question: 303

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

Answer: B

Question: 304

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

- A. TRUE
- B. FALSE

Answer: B

Question: 305

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

Answer: A. B. C. D

Question: 306

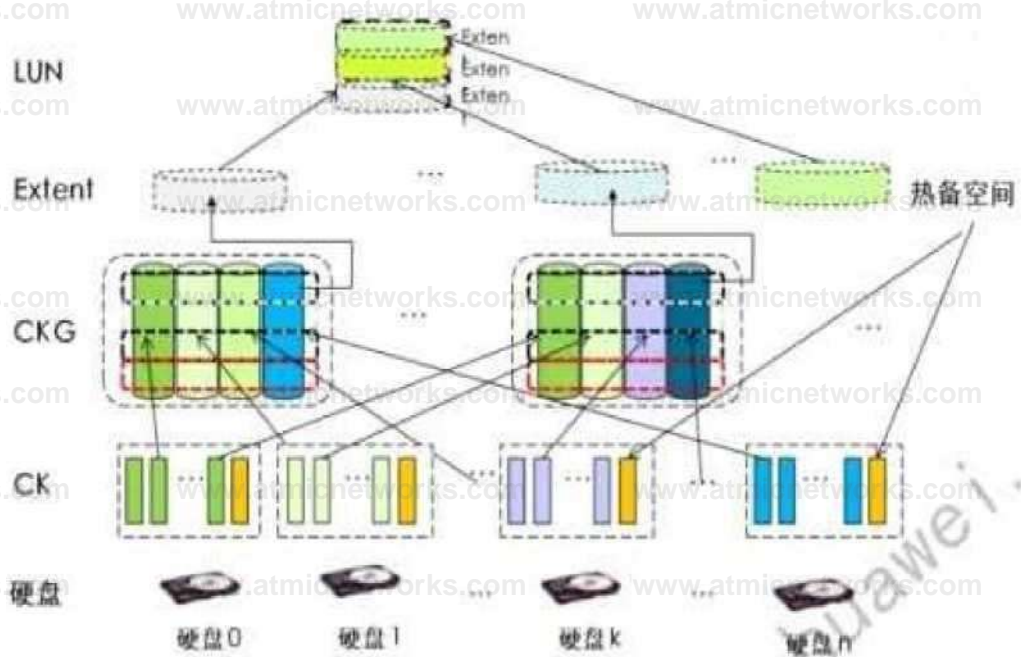
Two CKs in a CKG of RAID2.0+ can come from the same hard disk.

- A. TRUE
- B. FALSE

Answer: B

Explanation:
Resolution:

RAID 2.0+S^J^S



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: 307

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

Answer: C. D

Question: 308

Which of the following is not a backup type?

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

Answer: D

Question: 309

Description 1: FC protocol and FCoE protocol have different operating environments, different operating channels, and the same protocol stack.

Description 2: FCoE can only run on 10GE. which solves the problems of short FC transmission distance and packet loss in IP networks.

- 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

Answer: A

Question: 310

The following description of IOPS is wrong:

- A. How many times IO can be performed per second, each IO is fixed according to the size of the written data

- B. If the IO writes a large piece of continuous data every time the channel is changed infrequently, what is done every second at this time IO frequency is relatively low
- C. If the head frequently changes lanes, and the data written each time is relatively large, then the IOPS should be the lowest number of this disk value
- D. If the smallest data block is written each time under the condition of infrequent lane change, such as 512 bytes, then the IOPS will be the highest value

Answer: A

Question: 311

When a company's customers need to complete data migration between devices, what features can be used to complete? (Multiple choices)

- A. Remote replication
- B. LUN copy
- C. SmartMigration
- D. clone

Answer: ABCD

Explanation:

Analysis: SmartMigration (LUN migration): Ability to implement services on the source LUN without interrupting host services

Completely and transparently migrate to the target LUN, and use the target LUN to completely replace the source LUN after the migration is completed.

Perception. HyperReplication (remote replication): provides users with flexible and powerful data replication functions, through remote replication

The system can realize remote backup and recovery of data, continuous business data support, and disaster recovery of data. Includes sync remote

Replication and asynchronous remote replication. HyperClone (clone) can achieve LUN level without interrupting host business

The complete backup of data can be used in scenarios such as data backup and recovery, application testing and data analysis. HyperCopy (LUN

Copy) can copy the data in the source LUN to the local target LUN or the target LUN on other storage

Now data migration, distribution and backup.

Question: 312

Semi-structured data is generally self-describing, and the structure and content of the data are mixed and there is no obvious distinction.

- A. TRUE
- B. FALSE

Answer: A

Question: 313

Description 1: A RAID consisting of several hard disks is called a physical volume.

Description 2: RAID 5 can improve the read and write rate and provide a certain degree of data security, but when there is a single hard disk failure

At this time, read and write performance will be greatly reduced.

- 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

Answer: C

Explanation:

Analysis: RAID consists of several hard disks (physical volumes); RAID can create one or more logics according to the specified capacity

Volume, a logical volume is a hard disk (physical volume) for the host.

Question: 314

The port selected by the IP drift strategy has nothing to do with the port rate, only related to the location of the port, the order of selecting the port

Yes?

- 1. Port at the same position of the remote controller
- 2. Ports at other locations of the peer controller
- 3. The port of the local controller

- A. 1->2->3
- B. 2->1->3
- C. 3->1->2
- D. 2->3->1

Answer: C

Explanation:

Analysis: first local end, then opposite end.

Question: 315

What is a measure of storage system performance?

- A. IOPS
- B. Bandwidth
- C. capacity
- D. Delay

Answer: A. B. D

Question: 316

Regarding the characteristics of the four disaster recovery modes of active-active, hot standby, warm standby, and cold standby, what is wrong in the following statement?

- A. The data center using cold standby mode has a long RTO and is unpredictable
- B. The data center adopting the HyperMetro mode has the shortest RTO time
- C. When a data center failure causes the service to become unavailable, the hot standby and activeactive modes can be automatically switched by software Services, while the warm standby mode requires manual intervention, and the cold standby mode requires manual intervention
- D. Hot standby mode requires the highest software cost

Answer: D

Explanation: Resolution:

BWx^fttaWsg

		96	**	WtS/^ii
KTO	<MBS®K. 'MJ!! HI	UKIWfSW I	«W9Rfi	mud
W4U\$	JfWW	HS	—®	—®
«m*u	^fW3«	J^JIU* K	KG	KI
ma s	Slfp	MV	KI	
isnftt 8	ft	WK	R«	X
san	AI	AI	\$maa	RftSftt)
©««	Kom	IS	O	KX

Question: 317

The multipath load balancing strategy used by Huawei OceanStor V3 storage products is the default?

- A. Polling
- B. Minimum queue depth
- C. the minimum task
- D. Minimum IO number

Answer: B

Explanation:

Resolution: View product documentation.

Question: 318

Is the following correct understanding of data and information?

- A. Data is a record that reflects the attributes of objective things and a specific form of information
- B. Data refers to information that can be stored and transmitted
- C. Information is data that has been processed to meet the needs of user decisions
- D. Data is the sum of information and data redundancy

Answer: A. B. C. D

Question: 319

Regarding the benefits and necessity of enterprises doing disaster recovery system construction, is the following statement wrong?

- A. Can avoid major losses and reduce corporate risks
- B. Comply with policies and regulations to meet industry regulatory requirements
- C. Can simplify the operation and maintenance work, avoid the impact of emergencies
- D. In areas where fewer natural disasters occur, consider reducing the disaster recovery level

Answer: D

Question: 320

IP drift supports drifting between different types of interface modules.

- A. TRUE
- B. FALSE

Answer: B

Question: 321

A host connected to a switch port cannot belong to multiple zones, but can only be divided into a zone in.

- A. TRUE
- B. FALSE

Answer: B

Question: 322

Hybrid cloud is a solution that uses both private and public clouds.

- A. TRUE
- B. FALSE

Answer: A

Question: 323

What conditions should be considered for device backup bandwidth? (Multiple choice)

- A. the size of the initial data
- B. The daily quantity increment
- C. Backup cycle
- D. Backup staff

Answer: A. B. C

Question: 324

In the Huawei OceanStor V3 storage system, one LUN can create multiple snapshots, but only one snapshot can be activated.

- A. TRUE
- B. FALSE

Answer: B

Explanation:

Resolution: A LUN can create multiple snapshots, and each snapshot can be in an activated state.

Question: 325

86. When using the NFS protocol, adding clients and setting read and write permissions have an impact on performance.

- A. TRUE
- B. FALSE

Answer: B

Question: 326

The cloudification of IT architecture is from "separation" to "convergence". What does convergence mean?

- A. Convergence of IT infrastructure
- B. Application and server integration
- C. Integration of hardware and software
- D. Multi-application sharing and open "cloud computer"

Answer: D

Question: 327

What is the correct description of RAID 5 as follows? (Multiple choice)

- A. RAID 5 has a fixed check disk
- B. RAID 5 is verified by XOR algorithm
- C. RAID 5 uses striping to write data
- D. RAID 5 allows up to two member disks to fail simultaneously without data loss

Answer: B. C

Explanation:

Analysis: RAID 5 is an improved version of RAID 3 that uses striping and calculates parity information.

Question: 328

Regarding the steps of SAN synchronous replication, what is the correct order?

- (1) The production storage receives the host write request. HyperReplication logs the request. Only the place is recorded in the log Address information, without recording data content.
- (2) HyperReplication waits for both the primary LUN and secondary LUN write processing results to be returned. If both are written successfully, clear Log; otherwise keep the log, enter the abnormal disconnection state, and then copy the corresponding number of the log address again when starting synchronization According to the block.
- (3) Write the request to the master LUN and slave LUN. Normally, the LUN is in the write-back state, and the data will be written Cache.
- (4) Return the processing result of the host write request, which is subject to the processing result of the write master LUN.

- A. (1) (3) (2) (4)
- B. (1) (2) (3) (4)
- C. (2) (1) (3) (4)
- D. (4) (2) (3) (1)

Answer: A

Question: 329

The following storage functions can provide customers with data disaster recovery functions: (multiple choice)

- A. snapshot
- B. Cache prefetch
- C. remote replication

- D. Hierarchical storage

Answer: A. C

Question: 330

Which of the following is wrong about FC SAN network switching technology?

- A. A widely used technology that supports up to 127 devices
- B. The switch can provide simultaneous communication between multiple nodes connected to it
- C. Failure of a node in a zone will not affect the services of nodes in other zones
- D. The switch uses the zone to manage the network partition and provide the best interconnection method

Answer: A

Question: 331

What kind of technology does the OceanStor 5300 V3 expansion controller belong to?

- A. Scale-out
- B. Scale-up
- C. Scale-in
- D. Scale-deep

Answer: A

Question: 332

What is the infrastructure of the data center? (Multiple choice)

- A. Fire protection system
- B. Power supply system
- C. Cabinet system
- D. Comprehensive wiring

Answer: A. B. C. D

Question: 333

Which of the following options is narrowly stored?

- A. Disk
- B. Disk array
- C. Disk cabinet
- D. Tape library

Answer: A

Question: 334

What are the current challenges of disaster recovery? (Multiple choice)

- A. Disaster recovery construction requires expensive investment
- B. Various applications and inconvenient management
- C. The cloudization trend of IT systems is becoming more and more obvious, and many virtual machines also need to provide protection. The current disaster recovery construction is lacking Lack of unified management system
- D. Data sharing and other capabilities are limited by the physical location of the data, and applications and data cannot be separated, and agile applications and Better disaster tolerance

Answer: A. B. C. D

Question: 335

If a company uses an OLTP database, which migration strategy is suitable for SmartTier?

- A. No migration
- B. automatic migration
- C. Migration to high-performance layer
- D. Migration to the low-performance layer

Answer: C

Question: 336

Description 1: There is an interconnection line between the controllers of the storage system. If the controller is broken, it belongs to it.

The working controller of the managed LUN will be switched to a working controller.

Description 2: The working controller and home controller of a LUN must be unified into one controller.

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

Answer: D

Question: 337

After the multi-path software is installed on the host, which of the following descriptions are correct?

(Multiple choice)

- A. LUN is automatically mapped to the host
- B. Assist the operating system to access the same LUN through multiple links to avoid logical errors
- C. Improve link reliability and prevent single link failure, thereby avoiding system failure
- D. Establish a SCSI connection between the host and the storage device

Answer: B. C

Question: 338

Database data belongs to structured data, and audio and video data belong to unstructured data.

The growth comes mainly from the rapid growth of unstructured data.

- A. TRUE
- B. FALSE

Answer: A

Question: 339

What is the correct description of the NFS write mode in the Huawei OceanStor V3 storage system?

- A. Synchronous mode is to write the shared data to the cache and then to the disk
- B. Asynchronous mode is to write the shared data to the hard disk immediately
- C. The system default is asynchronous write mode
- D. The system default is the synchronous write mode

Answer: D

Question: 340

What is wrong with the following statement about disaster recovery drills? ,

- A. Perform exercises in accordance with the actual disaster recovery steps
- B. Familiarize yourself with the disaster recovery process through disaster recovery, and exercise business recovery capabilities for disaster
- C. Through disaster recovery exercises, the integrity of the business cannot be checked
- D. Disaster recovery exercises are verification and the most effective means to prove system availability

Answer: C

Question: 341

Is the following description about Quota tree correct?

- A. Quota tree is a first-level directory under the file system
- B. Only administrators can create, delete, rename, etc. through the command line or GUI management interface.

Users can delete the empty Quota tree

- C. Quota tree can be renamed and deleted when sharing through agreement
- D. Ordinary users can perform quota management on the number or capacity of files under Quota Tree

Answer: A

Question: 342

In the Huawei OceanStor V3 storage system, a customer plans to deploy 3 sets of systems, a set of business systems, to run

Oracle database, which requires high random read and write performance; a mail system for daily mail processing; a video system

System to save long-term archived videos. When creating LUNs for each system separately, the following about SmartTier policy settings the correct one is? (Multiple choice)

- A. Business system:
 - 1. Initial capacity allocation: priority allocation from the performance layer
 - 2. Data migration strategy: move to the low-performance layer
- B. Mail system:
 - 1. Initial capacity allocation: automatic allocation
 - 2. Data migration strategy: automatic migration
- C. Video system:
 - 1. Initial capacity allocation: priority allocation from capacity tier
 - 2. Data migration strategy: automatic migration
- D. Video system:
 - 1. Initial capacity allocation: priority allocation from capacity tier
 - 2. Data migration strategy: move to the low-performance layer

Answer: B. D

Question: 343

When deploying random small IO-based database services on storage, which RAID type should be appropriate? for what?

- A. RAID 10, no write penalty
- B. RAID 5, no write penalty
- C. RAID 10, no read penalty
- D. RAID 5, no read penalty

Answer: A

Explanation:

Analysis: RAID 5 has a write penalty. In RAID 10, there is no write penalty when writing randomly, and the performance advantage is obvious. No Have read punishment.

Question: 344

CKG is composed of multiple CKs on different hard disks of different types in the hard disk domain.

- A. TRUE
- B. FALSE

Answer: B

Explanation:

Analysis: The OceanStor storage system uses a random algorithm to set the Chunk (CK) of each storage layer according to user settings
The "RAID" strategy to form the Chunk Group (CKG).

Question: 345

FCoE is a transmission protocol standard that encapsulates frames in FC in lossless Ethernet and is used to form storage networks
Network.

- A. TRUE
- B. FALSE

Answer: A

Question: 346

The OceanStor 6800 V3 frame itself can be configured with four controllers or only two controllers. If configured as dual control

The power supply and BBU are fully configured, and the interface cards and controllers are all arranged in the upper row.

- A. TRUE
- B. FALSE

Answer: A

Question: 347

The SmartTier intelligent data grading feature requires three types of hard drives in the storage pool.

- A. TRUE
- B. FALSE

Answer: B

Question: 348

Extent of RAID2.0+ technology is the basic unit of which technology in the storage pool? (Multiple choice)

- A. Application space
- B. Free up space
- C. Statistics
- D. Data migration

Answer: A. B. C. D

Explanation:

Analysis: Extent is a fixed-size logical storage space divided on the basis of CKG, the size is adjustable, and it is a hot data system.

The smallest unit of accounting and migration (data migration granularity) is also the smallest unit of applying space and releasing space in the storage pool.

Question: 349

What are the following types of disaster recovery at the host layer? (Multiple choice)

- A. application level
- B. database level
- C. array level
- D. logical volume level

Answer: A. B. D

Question: 350

FC relies on a dedicated FC network and can easily form storage islands.

- A. TRUE

B. FALSE

Answer: A

Question: 351

The NAS device performs functions such as file service, storage, retrieval, and file access on the basis of a general-purpose server optimization.

A. TRUE

B. FALSE

Answer: A

Question: 352

If an enterprise is backing up data, the data flow does not go through the production server, but through an independent network transmission, what kind of backup network is used for this kind of backup?

A. LAN-Base

B. LAN-Free

C. Server-Free

D. NDMP

Answer: C

Explanation:

Resolution:

Common data backup methods are: LAN backup, LAN Free backup and SAN Server-Free backup.

LAN backup can be used for all storage types, LAN Free backup and SAN Server-Free backup can only be used Storage for SAN architecture.

Question: 353

In a RAID5 composed of three disks, if 10110110 and 11010011 are written simultaneously, Two data disks with the same stripe, then 01100101 will be written to the verification disk.

A. TRUE

B. FALSE

Answer: A

Question: 354

An e-commerce website usually has a relatively stable business volume, so I purchased the server and built a private cloud operation

During the Double Eleven promotion, the business volume is very large, so we rent the server from the operator's public cloud to share the festival's burden

Netherlands, this cloud computing deployment model belongs to?

- A. Public cloud
- B. Private cloud
- C. Hybrid cloud
- D. Community Cloud

Answer: C

Question: 355

In the Huawei OceanStor V3 storage system, which protocol is used for the mirror channel between the controllers?

- A. IB
- B. PCI-E
- C. FCoE
- D. iSCSI

Answer: B

Question: 356

The data backed up by the differential backup is relative to the data added and modified after the last full backup.

- A. TRUE
- B. FALSE

Answer: A

Question: 357

There are two descriptions about backups, the correct ones are:

Description 1: The disaster recovery solution does not need to consider whether it is backed up on tape or hard disk.

Description 2: The backup plan should consider the worst case.

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

Answer: C

Question: 358

Regarding OceanStor V3 LUN deletion, what is wrong in the following description?

- A. The deduplication function is used together with SmartCache to accelerate performance
- B. The taken-over heterogeneous array LUN supports block-level deduplication
- C. Deduplication and remote replication cannot coexist on the same LUN
- D. When the LUN is created, the deduplicated LUN is selected and cannot be restored to the state without deduplication.

Answer: B

Explanation:

Resolution: On the premise of enabling SmartCache in the file system, delete the SmartCache accelerated fingerprint using the file system

To improve the system deduplication processing performance.

Question: 359

Use the CIFS protocol to access the share. When the share name and the user name are the same, the shared order of access is:

- A. Query the CIFS share first, if there is no matching share information, then query the Homedir share
- B. Query CIFS share, if there is no query, it will return failure
- C. Query Homedir share first, if there is no matching share information, then query CIFS share
- D. Query Homedir share, if there is no query, it returns failure

Answer: C

Question: 360

A reliable ICT infrastructure, to avoid a single point of equipment failure, or even a single point of personnel problems.

- A. TRUE
- B. FALSE

Answer: A

Question: 361

In the Huawei OceanStor V3 storage system, which of the following descriptions about mapping snapshot LUNs is correct?

- A. The snapshot LUN mapped to the host can only be read, not written
- B. The activated snapshot LUN can be mapped to the host for reading and writing
- C. The snapshot LUN can only be mapped to the same host as the original LUN
- D. The description of all options is correct

Answer: B

Question: 362

According to the disaster tolerance effect, the disaster tolerance level can be divided into: (multiple choice)

- A. Data-level disaster recovery
- B. Platform-level disaster recovery
- C. Application-level disaster recovery
- D. Business-level disaster recovery

Answer: A. C. D

Question: 363

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

- A. The instruction flow passes through the LAN network, the data flow does not pass through the LAN network
- B. The backup proxy will affect the performance of the application server
- C. Backup data is based on LAN, which affects network performance
- D. The backup business needs to be maintained separately, increasing the difficulty of management and maintenance

Answer: A

Question: 364

In the LAN-Base networking, both the service flow and the data flow take the LAN network, and occupy a large bandwidth.

- A. TRUE
- B. FALSE

Answer: A

Question: 365

Xiao Wang, an employee of a company, did the following in the company's storage system: 9:00 Take a snapshot of LUN A and activate it
Alive, all the data of the snapshot LUN and the source LUN were modified at 10:00, and the snapshot WAS rolled back at 11:00.

The following instructions are correct? (Multiple choice)

- A. The data in the copy space before COW is 9:00 LUN A
- B. The data in the copy space before COW is 10:00 LUN A data
- C. The data of the source LUN is the modified data at 10:00
- D. After the snapshot is rolled back, the data of the source LUN becomes the data of the modified snapshot LUN at 10:00

Answer: A. C. D

Question: 366

What technology is used to convert Thick LUN and Thin LUN?

- A. clone
- B. LUN migration
- C. LUN copy
- D. Volume mirroring

Answer: A

Question: 367

In the Huawei storage system using RAID2.0+ technology, regarding the difference between Thick LUN and Thin LUN, the following

Which description is correct? (Multiple choices)

- A. Allocate storage capacity when Thick LUN is created
- B. The storage capacity is not allocated by default when the Thin LUN is created, and the storage capacity is allocated when data is written
- C. Thin LUN is more flexible than Thick LUN, and has better performance during sequential read and write of large IO
- D. Thin LUN makes the entire storage space utilization rate higher

Answer: A. B. D

Explanation:

Resolution: A LUN can be created as a Thick LUN and Thin LUN. Thick LUN will be allocated from the storage pool in advance

Storage capacity, even if no user data is stored on the Thick LUN. Thin LUNs are not pre-allocated from the storage pool

For storage capacity, only when user data is written to the thin LUN will the actual storage capacity be allocated from the storage pool.

Sequential read: Since thin LUN dynamically allocates storage resources according to the actual needs of users, space allocation exists in time

Discontinuity, so it will affect the continuity of the space mapped on the disk. When thick LUN is created, the system

Automatic resource allocation technology allocates storage resources from storage resources at one time, which maximizes its mapping to

Space continuity on the disk. Sequential reading of mechanical disks is more efficient, so thick LUNs perform better when reading sequentially For thin LUN.

Question: 368

What are the characteristics of big data? (Multiple choice)

- A. Write once, modify many times
- B. The value of data is uncertain
- C. Large capacity and fast growth rate
- D. Long storage time

Answer: B. C. D

Question: 369

What is wrong with the following description of DAS?

- A. DAS refers to the storage device is directly connected to the server through a SCSI cable or Fibre Channel
- B. The data in DAS mode is still scattered, and each application has a set of storage devices. Management is decentralized and cannot be centralized
- C. When the server and the storage device are directly connected, new application requirements arise, only for the newly added server
Separate storage device configuration, resulting in repeated investment
- D. DAS storage space can be fully utilized, storage devices that can be shared by different application servers, fully
Leverage idle storage space

Answer: D

Question: 370

In the following backup media, the order of unit capacity price from low to high is:

- A. Tape, CD/DVD. SSD. virtual tape library
- B. CD/DVD. magnetic tape, virtual tape library, SSD
- C. tape, CD/DVD. virtual tape library, SSD
- D. CD/DVD. SSD. tape, virtual tape library

Answer: C

Question: 371

What is the description of file-level HyperSnap feature data recovery in Huawei OceanStor V3 storage system, which
Are these correct? (Multiple choice)

- A. can restore a single file
- B. can restore the original file with logical errors
- C. can restore the original file accidentally deleted
- D. can restore the file on the file system with physical failure

Answer: A. B. C

Question: 372

In a traditional RAID group, when a certain number of hard drives fail, the entire RAID group can prevent data loss, and

The data recovery process has not been started. What is the status?

- A. Normal work
- B. Downgrade
- C. invalid
- D. Refactoring

Answer: B

Question: 373

When the disk is read and written, the sector is the minimum addressing unit, and a segment can be written to the first half of a sector

Data, and then write a piece of data to another sector.

- A. TRUE
- B. FALSE

Answer: B

Question: 374

Description 1: The file system of the SAN storage is deployed on the storage side, and the file system of the NAS storage is on the host side.

Description 2: Dynamic tiered storage can achieve data migration between storage media with different performance

- 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

Answer: C

Question: 375

What are the following errors about OceanStor V3 features?

- A. Cloning provides physical full copy, incremental copy
- B. Cloning does not support cross-engine LUN cloning, the master-slave LUN must be under the same engine
- C. LUN copy can support data backup and migration within and between arrays (including homogeneous and heterogeneous)
- D. LUN copy supports incremental LUN copy, and LUN copy should be done offline

Answer: D

Question: 376

If the disaster recovery center in the same city fails, the production center in cascading networking mode will lose all its backup sites.

- A. TRUE
- B. FALSE

Answer: A

Question: 377

OceanStor V3 series storage can only support iSCSI or FC host links separately, not both Connect to the network.

- A. TRUE
- B. FALSE

Answer: B

Question: 378

Which of the following is the correct configuration process for Huawei OceanStor V3 storage system?

- A. Create storage pool -> create LUN -> add mapping
- B. Create storage pool -> add mapping -> create LUN
- C. Create LUN->Create storage pool->Add mapping
- D. Create LUN->Add Mapping->Create Storage Pool

Answer: A

Question: 379

The x86 architecture is a type of data center infrastructure.

- A. TRUE
- B. FALSE

Answer: A

Question: 380

When the disk is not accessible, what kind of reconstruction method is used when writing to the disk?

- A. Total reconstruction
- B. Local reconstruction
- C. recovery and reconstruction
- D. Local reconstruction

Answer: C

Question: 381

Which mirroring scenarios are mainly used in HyperMirror? (Multiple choices)

- A. Mirroring of two LUNs in this array
- B. Cooperate with the heterogeneous virtualization function to realize the mirroring of the LUN of the heterogeneous array and the array
- C. Cooperate with the heterogeneous virtualization function to realize the mirroring of two heterogeneous LUNs
- D. The mirrors of the two LUNs of the volume mirror are not under the same home controller

Answer: A. B. C

Question: 382

Backup is concerned with data recoverability, and disaster recovery is concerned with business continuity.

- A. TRUE
- B. FALSE

Answer: A

Question: 383

In a Linux system, if the representation of a SCSI target is: 2:1:0:3, the following description is correct: (this question For multiple choice questions)

- A. The device LUN ID is 3
- B. The bus ID is 0
- C. The target ID is 3
- D. LUN ID is 0

Answer: ABCD

Question: 384

Which of the following is the advantage of object storage? (Multiple choice)

- A. Object interface, flexible data segmentation
- B. External SCSI or file interface
- C. Flat objects, easy to access and expand
- D. Improve data integrity and security

Answer: A. C. D

Question: 385

What are the maintenance items of the data center storage administrator? (Multiple choices)

- A. The first maintenance project
- B. Weekly maintenance projects
- C. Daily regular maintenance projects
- D. Real-time maintenance project

Answer: A. B. C

Question: 386

The following description is correct: (multiple choice)

- A. OceanStor V3 series products support 8 controllers, and the switching plane between the controllers is IP-based Scale-out interconnection
- B. When the control frame of OceanStor 5300 V3 is expanded from 2 to 4 controls, it can be directly connected or Networking with switches
- C. In the OceanStor V3 series of new-generation storage products, the back-end loops of the same SAS interface card can be mixed and connected Ordinary disk enclosure and high-density disk enclosure
- D. OceanStor V3 mid-range storage arrays use IP switches for interconnection, which has cost advantages. PCIe switches are dedicated Switching, the cost is relatively high, mainly used in high-end storage

Answer: A. B. D

Question: 387

Which of the following descriptions of RAID 1 is incorrect?

- A. RAID 1 writes data to each member disk, the data on each member disk is the same
- B. RAID 1 is verified by XOR algorithm
- C. Normally, RAID 1 reads data from data disk and mirror disk
- D. When the data of some member disks is damaged, RAID 1 allows it to quickly recover data from other member disks

Answer: B

Question: 388

OceanStor 5300 V3 is a dual-controller converged storage product, which must ensure the working controller and attribution control of the LUN

The controller is consistent.

- A. TRUE
- B. FALSE

Answer: B

Question: 389

The synchronous remote copy management module RM is software.

- A. TRUE
- C. FALSE

Answer: A

Question: 390

What value does thin provisioning technology bring to customers? (Multiple choice)

- A. Improve storage resource utilization
- B. Reduce the storage space occupied by data
- C. Reduce the initial purchase cost
- D. Reduce the overall TCO of the storage system

Answer: A. C. D

Question: 391

RTO=0 and RPO=0 in the disaster recovery center of the same city.

- A. TRUE
- B. FALSE

Answer: A

Explanation:

Analysis: Synchronous remote replication is suitable for disaster recovery in the same city, which has high network requirements, but the amount of data loss (RPO) can be 0

Question: 392

What are the following descriptions of the three iSCSI connection methods?

- A. The connection mode of the Ethernet card + initiator software does not occupy the host resources at all
- B. The hardware TOE network card + initiator software connection method reduces the pressure on the host resources
- C. The iSCSI HBA card completes the TCP/IP protocol conversion without occupying host resources at all

D. TOE network card completes the conversion of iSCSI packets to TCP/IP packets

Answer: B

Question: 393

What is the correct description of the advantages of Huawei RAID 2.0+?

- A. The data is automatically and evenly distributed on the hard disks in the storage pool to avoid uneven heating and cooling of the hard disk, thereby reducing the storage system Overall failure rate
- B. Overcome the performance bottleneck of the traditional RAID reconstruction target disk (hot spare disk), making the reconstruction bandwidth write bandwidth no longer
It becomes the bottleneck of the reconstruction speed, which greatly improves the reconstruction speed, reduces the probability of double-disk failure, and improves the storage system.

Reliability.

- C. There is no write penalty in RAID2.0+, which overcomes the write penalty in RAID 5 and RAID 6

levels in traditional RAID technology

The impact of the penalty on the write performance of the LUN has greatly improved the performance of the LUN

- D. The data on a single LUN is distributed to many different hard disks, avoiding hard disk hot spots, making single LUN performance and

The capacity has been greatly improved

Answer: A. B. C. D

Question: 394

Which of the following statements about Huawei RAID 2.0+ are correct? (Multiple choice)

- A. Hot spare space cannot cross engine
- B. RAID 2.0+ uses an independent hot spare disk
- C. Chunk size and Extent size are not adjustable
- D. Automatically reserve a certain amount of hot spare space in the hard disk domain according to the hot spare strategy

Answer: A. D

Question: 395

Description 1: The file system of the NAS is managed by a storage or server that provides resources.

Description 2: The file system of the SAN is managed by the host itself.

- 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

Answer: A

Question: 396

Is the following description of cloud computing correct? (Multiple choice)

- A. Cloud computing is dynamically scalable
- B. End users of cloud computing need to understand how cloud computing works
- C. Cloud computing can provide virtual disk space
- D. Cloud computing is usually used in business systems that require high performance and high response speed

Answer: A. C. D

Question: 397

Snapshots used for backup purposes should be set to read-only to prevent modification by other applications and affect the backup data consistency.

- A. TRUE
- B. FALSE

Answer: A

Question: 398

There are two descriptions about fiber switches below, the correct ones are: Description 1: A port can be in multiple zones.

Description 2: A switch can have multiple zones.

- A. description 1 and description 2 are correct
- B. Description 1 pair, description 2 wrong
- C. description 1 wrong, description 2 right
- D. description 1 and description 2 are wrong

Answer: A

Question: 399

The cloud data center virtualizes storage, computing and network resources, and provides a virtualization platform for users to use.

- A. TRUE
- B. FALSE

Answer: A

Question: 400

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

- A. Deployment is simple
- B. Large initial investment
- C. Small network complexity
- D. The configuration is more complicated

Answer: A. C

Question: 401

Which of the following operations does a small employee A of a bank need to do in the first maintenance project of data center storage?

- A. Check Toolkit installation
 - B. Check eService installation and configuration
 - C. Check alarm policy configuration
- A. AB
 - B. ABC
 - C. C

Answer: B

Question: 402

The amount of data in an incremental backup is larger than that in a differential backup.

- A. TRUE

B. FALSE

Answer: B

Question: 403

Is the following statement correct?

- A. After using RAID 5 with 6 200G hard drives, the available space is 1200G
- B. NL SAS/SATA hard disks are suitable for data protection using RAID 6, and SAS hard disks are suitable for data protection using RAID 5.

According to protection

- C. S2200 V3 can support SSD. SAS, SATA hard drives
- D. OceanStor V3 series products support RAID 0/RAID 1/RAID 5/RAID 10, but not RAID 6

Answer: B

Explanation:

Resolution: The hard disk types supported by OceanStor 2200 V3 are: SAS, NL-SAS and SSD. and SATA is NOT supported. OceanStor

V3 series product support

Question: 404

The initial capacity allocation strategy of Huawei OceanStor V3 storage system defaults to automatic allocation.

- A. TRUE
- B. FALSE

Answer: A

Question: 405

A company uses the CIFS protocol for file sharing, and uses the Homedir sharing method according to the security policy.

All users access the folder and write space.

- A. TRUE
- B. FALSE

Answer: A

Explanation:

Analysis: CIFS is for Windows

Question: 406

In the Huawei OceanStor V3 storage system, which of the following descriptions about SmartThin LUN is correct?

- A. When creating a thin LUN, it cannot be allocated a larger capacity than the available free space in the storage pool
- B. Thin LUN cannot be converted into Thick LUN
- C. When creating a thin LUN, the initial allocated capacity can be used without specifying
- D. The types of LUNs on a storage pool must be the same, either all are Thin LUNs or all are Thick LUNs

Answer: C

Explanation:

Resolution: When Thin LUN is created, an initial allocated capacity can be set. After the creation is complete, the storage pool Pool only

The initial capacity is allocated, and the remaining space is still placed in the storage pool. When the thin LUN has been allocated

When the storage space usage reaches the threshold, the storage system will allocate a certain quota from the pool to the thin LUN. in this way

Repeat until the full capacity of the Thin LUN is initially set. Therefore, it has a high storage space utilization rate.

Question: 407

There are two descriptions about backups:

Description 1: You can use the data backed up on the tape for data recovery at any time, but you can **only** recover to the backup moment

Historical data, not the data at the time of failure.

Description 2: Using tape as the backup medium is the highest RTO backup method.

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

Answer: A

Question: 408

Can the following transmission protocols not use switches?

- A. iSCSI protocol

- B. SCSI protocol
- C. FC agreement
- D. FCoE agreement

Answer: B

Question: 409

Which of the following three disaster recovery technologies are commonly used? (Multiple choice)

- A. Disaster recovery based on the host layer
- B. Disaster recovery based on the network layer
- C. Array-based disaster recovery
- D. Disaster recovery based on application layer

Answer: A. B. C

Question: 410

iSCSI encapsulates the SCSI command and data description block into the iSCSI protocol.

- A. TRUE
- B. FALSE

Answer: A

Question: 411

The advantages of SAN for NAS unified storage do not include:

- A. Users do not need to plan the storage capacity of SAN and NAS separately
- B. Users can freely allocate storage to meet the needs of the application environment
- C. Users do not need to be concerned about capacity utilization related to data block and file storage support
- D. Users can realize the functions of NAS by buying a set of SAN

Answer: A

Question: 412

The following statement is wrong: (multiple choice)

- A. Backup cannot solve the recovery of data corruption
- B. backup to solve the recovery of data loss
- C. Backup cannot solve the retrieval of historical data

D. Backup can directly take over the business

Answer: A. C. D

Question: 413

If a company's business is to write large-scale data randomly into the LUN, which capacity initial allocation strategy and which Kind of data migration strategy?

- A. Automatic allocation: migration to the low-performance layer
- B. Priority allocation from high-performance layer: migration to low-performance layer
- C. Priority allocation from low-performance layer: migration to high-performance layer
- D. Priority allocation from the capacity layer: automatic migration

Answer: D

Question: 414

In the Huawei storage system, which of the following is true about the characteristics of virtual snapshot LUNs?

- A. The storage system can generate a snapshot in seconds
- B. The snapshot LUN cannot be mapped to the host
- C. Complete data copying is unnecessary
- D. data use mapping table lookup

Answer: A. C. D

Question: 415

The SATA connector can support both SATA and SAS hard drives.

- A. TRUE
- B. FALSE

Answer: B

Question: 416

Regarding the new era of ICT and technology, is the following statement correct? (Multiple choices)

- A. Cloud computing (cloud computing) is an increase, use and delivery model of Internet-based related services, usually Involves the provision of dynamically scalable and often virtualized resources via the Internet

- B. Social media (social media) is a virtual community that people use to create, share, exchange opinions, opinions and experiences
And web platform
- C. CPS (Cyber Physical System) includes ubiquitous environmental awareness in the future, embedded computing, network communication
System engineering such as Xinhe Network Control is a physical system with functions of computing, communication, precise control, remote collaboration and autonomy
- D. In the new ICT era, the migration of ICT systems from supporting systems to production systems

Answer: A. B. C. D

Question: 417

Bank's bill imaging system often stores structured data on a SAN array, and unstructured data On the NAS array.

- A. TRUE
8. FALSE

Answer: A

Question: 418

Description 1: The data recovery of the snapshot depends on the source data
a. If the source data is physically damaged, it cannot be recovered. and
In this case, the clone can still restore the source data.

Description 2: After the source data is damaged, the LUN copy must completely copy the backup data to restore the source data. And clone only

Damaged data needs to be recovered, which greatly reduces the recovery time.

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

Answer: A

Question: 419

With the advent of the era of big data, the corresponding storage technology is also undergoing changes.
Is the following statement correct? (Multiple choice)

- A. The file system develops from a local file system to a cluster file system and a distributed file system
B. Traditional NAS, facing PB-level data, complex volume management and unbalanced system capacity allocation, will result in waste of resources

- C. The mass storage system is characterized by a more complicated file system and more complicated management
- D. Having large-scale expansion capability is the characteristic of mass storage system

Answer: A. B. C. D

Question: 420

The number of erasable times of the storage medium cell of the SSD disk is limited. Multiple erasing causes the wear of the SSD, which also makes the SSD

Has a limited period of use, which is related to the number of specific erasures.

- A. yes
- B. wrong

Answer: A

Question: 421

What is the role of multi-path software? (Multiple choice)

- A. Fault path switching
- B. Load balancing of IO traffic
- C. fault path recovery
- D. Data recovery

Answer: A. B. C

Question: 422

The NAS engine and the storage unit are interconnected by Ethernet switches.

- A. TRUE
- B. FALSE

Answer: B

Question: 423

What are the challenges facing traditional data centers? (Multiple choice)

- A. Traditional data centers only monitor but not manage
- B. Capacity expansion of traditional data centers in units of nodes
- C. Traditional data center has low cooling efficiency
- D. Traditional data center maintenance costs are high

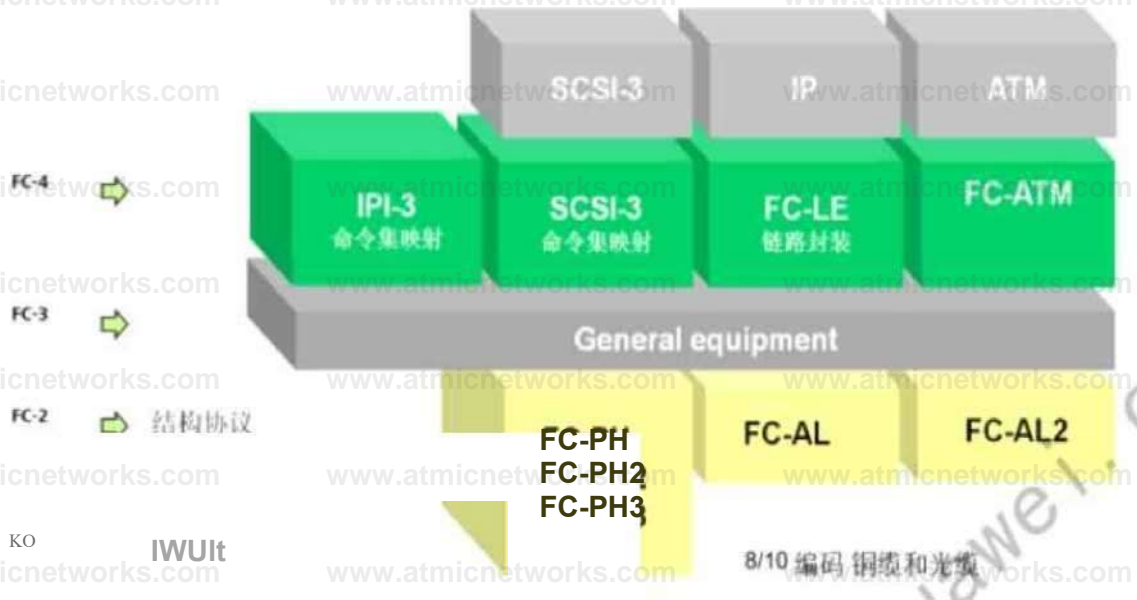
Answer: B

Explanation:

Resolution:

7m@il1M

ft Stott



Question: 425

The following description of disaster recovery is incorrect?

- A. Regardless of whether disaster recovery or backup solutions are used, compared with data during system failure, data for disaster recovery cannot be lost
- B. After the disaster, I hope to immediately access the backup on the remote device
- C. The restored data hopes to meet the current work requirements immediately
- D. The traditional use of software for data backup still has usage scenarios

Answer: A

Question: 426

The advantages and disadvantages of the disaster recovery technology of the host layer, network layer and array layer, the following statement is correct? (Multiple choice)

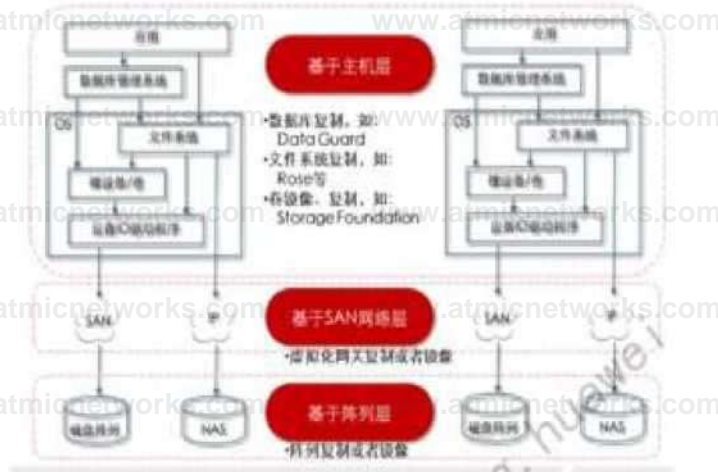
- A. For host layer disaster recovery, host layer replication will occupy certain host resources, which will affect the application system
- B. The initial construction cost of network layer disaster recovery is relatively low, and many manufacturers can provide solutions
- C. Array layer disaster recovery, the arrays at both ends must be products of the same manufacturer, unable to solve the heterogeneous problem
- D. Host layer disaster recovery is implemented on the host side, without considering the compatibility between

the underlying devices

Answer: A. D

Explanation: Resolution:

容灾的主要技术



Question: 427

Regarding the traditional model and cloud computing model, high reliability in the data center and cross-data center disaster recovery methods, the following says

What is wrong?

- A. In the traditional mode, the data center relies on component redundancy to achieve high reliability
- B. In the cloud computing mode, the data center relies on component redundancy to achieve high reliability
- C. In the traditional model, cross-data center disaster recovery is mainly based on copying business data, and the recovery process is complicated and the recovery period is long
- D. In the cloud computing mode, cross-data center disaster recovery is the replication of all data in the business data and operating environment. Simple recovery process and short recovery period

Answer: B

Question: 428

Regarding the four disaster recovery modes of HyperMetro, Hot Standby, Warm Standby, and Cold Standby, is the following statement wrong?

- A. HyperMetro technology can realize that both the main and backup data centers provide services to the outside world. During normal operation, the business of the two data centers can Do load sharing based on weights, there is no difference between master and backup, and respond to some users separately. The weight can be divided by region, or number According to the center's service capacity or external bandwidth
- B. Warm standby technology. When a data center failure causes the service to become unavailable, within

the specified RTO time, you can

Automatically switch the service to a backup data center

C. The hot standby business is responded by the main data center. When a data center failure causes the business to be unavailable, the

Within RTO time, the service can be automatically switched to the backup data center

D. The biggest feature of multi-activity is that it will not cause waste of resources in the data center, and the data center carries application business operations.

Answer: B

Explanation:

Analysis: The warm standby technology is implemented on the basis of the active and standby data centers, provided that there are two active and standby data centers.

The standby data center is deployed for warm standby, and application services are responded to by the primary data center.

When the service is unavailable, it is necessary to realize the overall switching of the data center within the specified RTO time. When realizing the main data

When the center switches, it is necessary to disconnect the main data center routing link and connect the backup data center routing link to ensure the same time

There is only one data center online. The warm-up technology is still a manual method, and someone needs to be on duty 24 hours to complete the operation.

The work effect is low.

Question: 429

The SCSI protocol is the basic protocol for host and disk communication. It is operated by the SCSI controller, the controller is equivalent

For a small CPU, it has its own command set and cache.

A. TRUE

B. FALSE

Answer: A

Question: 430

The following different types of SSD disks have the lowest unit capacity price:

A. SLC

B. eMLC

C. cMLC

D. TLC

Answer: D

Question: 431

The dual-controller storage system generally contains a mirror channel, and data written to the storage system cache will be written through the mirror channel

Into the peer controller.

- A. TRUE
- B. FALSE

Answer: A

Question: 432

After employee A of a company logs into the storage device of the company system, he finds that he has certain control rights. But not repairable
If the system time is changed, user management cannot be performed. May I ask which of the following roles does Employee A have?

- A. Super administrator
- B. Administrator
- C. ordinary users
- D. Read-only users

Answer: B

Question: 433

A company is mainly used for file system sharing in Linux, UNIX, Mac OS and VMware operating system environments.

Which of the following file access protocols is suitable for this company?

- A. NFS
- B. CIFS
- C. Telnet
- D. HTTP

Answer: A

Question: 434

What are the three data centers in the disaster recovery plan that 3DC refers to? (Multiple choices)

- A. Production center
- B. The same city disaster recovery center
- C. Remote disaster recovery center
- D. Data center

Answer: A. B. C

Question: 435

The following description of NAS is correct:

Description 1: NAS is always based on file sharing.

Description 2: The distance of the network connection affects the performance of the NAS.

- 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

Answer: A

Question: 436

What are the common time indicators for measuring the reliability of a system? (Multiple choice)

- A. reliability
- B. Effective
- C. Average failure time
- D. Mean time between failures

Answer: C. D

Question: 437

Remote replication requires master and slave storage from the same manufacturer.

- A. TRUE
- B. FALSE

Answer: A

Question: 438

What are the application scenarios of the SAN solution? (Multiple choice)

- A. Data sharing
- B. Storage sharing
- C. Data backup
- D. Disaster recovery

Answer: A. B. C. D

Question: 439

In Huawei RAID 2.0+, when the hot standby strategy of a storage tier is low, the following is about the hot standby reserved by the system for that tier

The capacity description of the space, what is wrong?

- A. When the total number of hard drives in this layer is 10, reserve a capacity equivalent to 1 hard drive
- B. When the total number of hard drives in this layer is 12, reserve the capacity equivalent to 1 hard drive
- C. When the total number of hard drives in this layer is 20, reserve the capacity equivalent to 2 hard drives
- D. When the total number of hard drives in this layer is 48, reserve the capacity equivalent to 2 hard drives

Answer: C

Explanation: Resolution:

热备空间策略

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1-12		
13-24	2	
25-48	3	2
49-72	4	
73-120	5	3
121-168	6	
169-264	7	4
265-360	8	

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o f^Wafi^H^@!^AAAAA

Sii^rtfIMJ

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Question: 440

Which of the following descriptions of RAID technology are correct? (Multiple choice)

- A. Not every RAID technology can improve write performance
- B. In RAID 0, multiple hard drives are accessed simultaneously (parallel access), speeding up data access performance
- C. The current RAID technology only uses the parity mechanism to protect the data
- D. The performance of all RAID levels increases linearly with the increase in the number of member disks

Answer: A. B

Question: 441

SCSI communication is initiated by the initiator and received and processed by the target. When the host and the storage device communicate, the storage device
The side assumes the role of initiator.

- A. TRUE
- B. FALSE

Answer: B

Question: 442

When does data become information?

- A. When it has been stored in the correct file format
- B. When the data has been stored in digital form
- C. When the enterprise understands the meaning of data and extracts the content needed for decision-making
- D. When the data is verified to be correct

Answer: C

Question: 443

When UltraPath is installed on the application server, the operating system can automatically identify the LUN mapped to the host, and
There is no need to restart the host.

- A. TRUE
- B. FALSE

Cisco, Huawei, Oracle, Microsoft, Red Hat, National Soft Test and other certification exam services QQ
89246365

Taobao transaction test payment <http://certpass.taobao>.

Answer: A

Question: 444

What is wrong about the relationship between FC protocol and SCSI protocol?

- A. FC can transmit SCSI commands, data and status information units by constructing frames B. FC or iSCSI

protocol is used to carry the SCSI protocol, is an extension of the SCSI protocol C. SCSI is the upper layer protocol of FC4, SCSI is a subset of FC protocol
D. FC is an alternative to SCSI

Answer: D

Question: 445

A government unit adopts Huawei's two-site, three-center solution for disaster recovery

construction, and its business is mainly concentrated from 8:00 to 18:00.
What is wrong with the following approach?

- A. Production centers and remote disaster recovery centers should use synchronous remote replication
- B. The time period for data synchronization between the production center and the disaster recovery center should be selected when the business volume at night is small
- C. When doing remote replication, a consistency group should be created according to the business of the unit, and related businesses are placed in a consistent
- D. You can use the BCManager software to set the data synchronization period

Answer: A

Question: 446

According to the physical location of the NAS engine and storage device, the NAS is divided into: (multiple choices)

- A. Internal NAS
- B. External NAS
- C. Unified NAS
- D. Gateway NAS

Answer: CD

Explanation:

Analysis: NAS mainly has three types of implementation: unified, gateway and scale-out. Unified NAS Use a unified storage platform to merge NAS-based and SAN-based data access, providing two rings that can be managed simultaneously

Unified management interface of the environment. The gateway NAS uses external storage to access data. The management operations of the gateway NAS and storage are divided into It's open. Scale-out NAS can combine multiple nodes to form a clustered NAS system.

- NAS&Mi^Tjit ^-NAS^^NASo
- -tEOjNAS&\$\$ENAS|W\$m. ff^tfDNAS3I\$;Hl#mi^ ^ ^NASAW-^%*^^#. NAS^MIPE*WM@&£M£gP^W\$^^ WZOiB*. M&2'NOm. TOMfiUIWATA&nimsttOFC^^ t S^MNAS^IW^^fiESSfr^S. -^St-NAS^^^^W^ffIMWWO iSSS'JS^MgR^Mg^^^.

- In RAID 2.0+, the administrator needs to manually set which hard drives are designated as hot spares.

Question: 447

In RAID 2.0+, the administrator needs to manually set which hard drives are designated as hot spares.

- A. TRUE
- B. FALSE

Answer: B

Question: 448

The difference between DAS and SAN, which of the following descriptions is wrong?

- A. SAN redundant networking provides higher reliability
- B. DAS and SAN are all external storage, so storage resource sharing can be easily achieved
- C. DAS is suitable for small and medium-sized LAN environment with only a few servers
- D. SAN is suitable for high-end storage application environments, such as key databases, centralized storage, large-scale storage, backup and Disaster recovery and other scenarios

Answer: B

Question: 449

The steps of asynchronous remote replication multi-point technology, is the following statement correct?

- (1) A new time slice (T2, P2) is generated in the cache of the master LUN and the slave LUN at the start of each replication cycle
- (2) The newly written data of the host is cached in the time slice T2 of the main LUN Cache, responding to the completion of the host
- (3) The master and slave LUNs each release the received data
- (4) Copy the data of time slice T1 directly to the slave LUN and write it to the time slice P2 of the slave LUN

- A. (1) (2) (3) (4)
- B. (1) (3) (2) (4)
- C. (1) (2) (4) (3)
- D. (2) (1) (4) (3)

Answer: C

Question: 450

Description 1: The LUN is composed of multiple Extents in the storage pool.

Description 2: The LUN can contain one or more types of Extent.

- 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

Answer: A

Question: 451

Regarding the description of Huawei OceanStor storage system safe disk, which of the following is correct?
(Multiple choice)

- A. When the device is powered off, the safe disk stores the data in the cache to prevent data loss
- B. When an unexpected power failure occurs, the BBU supplies power to the cache and safe disk
- C. Safe disk cannot be used to store user data
- D. Only the first two disks in the controller cabinet are used for safe disks

Answer: AB

Explanation:

Analysis: There are two kinds of safe disks in the storage system: built-in safe disks and external safe disks. Safe disk is used to protect

Stores data of the storage system, system configuration information and logs, and data in the cache after the system is powered off. Panel control integrated control box

The first four hard disks or the first four hard disks in the first disk enclosure in the disk-controlled storage system are planned as coffer disks. safe

Disks must use SAS, NL-SAS or SSD hard drives, and the hard drives of the four coffer disks must be the same type.

Question: 452

In Huawei OceanStor storage devices, coffer disks are an optional configuration because the write cache has mirrors, and

There is a backup power supply for the controller.

Cisco, Huawei, Oracle, Microsoft, Red Hat, National Soft Test and other certification exam services
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Taobao transaction test payment <http://certpass.taobao.com>

- A. TRUE
- B. FALSE

Answer: B

Explanation:

Analysis: Each controller has one or more hard drives built in as data safes.

Question: 453

The QoS of the file system supports IO priority configuration and policy configuration.

- A. TRUE
- B. FALSE

Answer: A

Question: 454

In disaster recovery applications, the HyperMirror function (remote data replication) can only be accessed between two OceanStor 5300 V3

Yes, it cannot be performed between OceanStor 5500 V3 and OceanStor 5300 V3.

- A. TRUE
- B. FALSE

Answer: B

Question: 455

In the RHEL 5 operating system, which command is used to mount the sdb5 device in the dev directory to the mnt directory sdb5 directory?

- A. cat /dev/sdb5 /mnt/sdb5
- B. ln /dev/sdb5 /mnt/sdb5
- C. mount /dev/sdb5 /mnt/sdb5
- D. df /dev/sdb5 mnt/sdb5

Answer: C

Question: 456

Distributed object storage has a unified namespace, and supports online expansion.

- A. TRUE
- B. FALSE

Answer: A

Question: 457

The FCoE protocol refers to encapsulating the FC protocol into a TCP/IP protocol package and transmitting it on Ethernet.

- A. TRUE
- B. FALSE

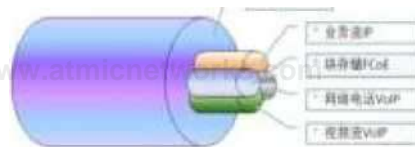
Answer: B

Explanation:

Analysis: FCoE is for 10G Ethernet. Enhanced Ethernet can support multiple transmission types, including FCoE and TCP/IP

FCoE

* a#ftH*5JJJeC4RIWiiill*Um£»fttIM!S'SSMeiimKi.
. K&ffiKttHJHttLttWMI. *ffLM4M«««fl-Si>4M-+aX
N4112.



Question: 458

For a system with high business continuity to find that, the characteristics of RPO and RTO values should be:

- A. RPO is higher, RTO is lower
- B. RPO is lower, RTO is higher
- C. RPO and RTO are lower
- D. RPO and RTO are higher

Answer: C

Question: 459

Huawei focuses on IT infrastructure in the ICT field.

- A. TRUE
- B. FALSE

Answer: A

Question: 460

In Huawei RAID 2.0+, is the description about chunk and extent correct?

- A. chunk is the smallest unit for LUN to apply for space from the storage pool and free up space
- B. The extent is the smallest unit for the storage pool to allocate resources from the hard disk domain
- C. chunk is the smallest unit of hot data statistics and migration (data migration granularity)
- D. The extent size of different storage pools can be different, but the extent size in the same storage pool is uniform

Answer: D

Explanation:

Analysis: extent is a fixed-size logical storage space divided on the basis of CKG, the size is adjustable, and it is a hot data system.

The smallest unit of accounting and migration (data migration granularity) is also the smallest unit of applying space and releasing space in the storage pool. Do not

The extent of the same storage pool can be different, but the extent of the same storage pool is uniform.

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: 461

Regarding Huawei OceanStor V3 storage dynamic tiered storage technology, which of the following descriptions is incorrect?

- A. SmartTier calculates and analyzes the activity of data to determine the activity level of the data
- B. SmartTier automatically and dynamically moves data to different performance storage media according to different activity levels of the data on
- C. SmartTier data movement configuration-based data migration strategy
- D. Data statistics, analysis and data migration of SmartTier features will affect business continuity and data availability

Answer: D

Question: 462

Description 1: The CIFS share provided by a company's storage system is a public directory and can be accessed by users with permissions.

Description 2: A company's storage system sets Homedir sharing so that different users can only access the same user name

Private directory.

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

Answer: C

Question: 463

The backup is to copy and save the data or system. Once an error or disaster occurs, these backups can be used to restore the system Data to restore the business to a normal operating state.

- A. TRUE
- B. FALSE

Answer: A

Question: 464

What three stages do storage systems need to go through to realize SmartTier? (Multiple choice)

- A. Initial capacity allocation
- B. Data layout analysis
- C. Data migration
- D. I/O monitoring

Answer: B. C. D

Question: 465

Incremental backups must rely on the last full backup and the last incremental backup to perform data recovery Complete recovery, data reconstruction during recovery is slower than full backup, and recovery window is larger.

- A. TRUE
- B. FALSE

Answer: A

Question: 466

Regarding the common components of ICT, is the following statement correct?

- A. Common components of ICT include host, storage array, switch, and network
- B. The mainframe is also called a server, referring to some computers with higher specifications in some enterprises
- C. Storage array usually refers to equipment that provides data storage

D. The switch is also called a switching hub, which mainly works on a three-layer network

Answer: A. B. C

Question: 467

An enterprise needs to purchase backup media for data backup. To inherit the enterprise's original tape backup architecture and strategy, it is necessary to mention

High backup speed. What kind of backup media did this enterprise purchase?

- A. Disk array
- B. Virtual tape library
- C. tape library
- D. CD Tower

Answer: B

Question: 468

The following description of DAS is incorrect:

- A. DAS is directly connected to the designated storage device on the server using them
- B. DAS is divided into internal DAS and external DAS
- C. The hard disk inside the server is not DAS
- D. External DAS can be connected to the server accessing them through FC protocol or SCSI protocol

Answer: C

Question: 469

The RTO in the disaster recovery system measurement index refers to the point in time when the system and data must be recovered after the disaster begging.

- A. TRUE
- B. FALSE

Answer: B

Question: 470

The following two descriptions are correct:

Description 1: The maintenance cost of traditional PC is usually lower than that of desktop cloud.

Description 2: In cloud computing, data is stored and managed centrally.

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

Answer: C

Question: 471

What versions of the NFS protocol are there? (Multiple choice)

- A. NFS V1
- B. NFS V2
- C. NFS V3
- D. NFS V4

Answer: A. B. C. D

Explanation:

Resolution: NFS is a network file system. With the continuous development of the network, this protocol version has gradually increased. There is already The latest version of 4.1.

Question: 472

For the data stored on the medium, there is no need to physically crush or sell it as the data recorded on the paper

Ruined situation.

- A. TRUE
- B. FALSE

Answer: B

Question: 473

Which of the following describes the file access protocol correctly? (Multiple choice)

- A. CIFS protocol is used in Linux and UNIX environments
- B. The NFS protocol is used in the Windows environment
- C. CIFS protocol, NFS protocol and FTP protocol work in C/S architecture
- D. The working method of HTTP protocol is B/S architecture

Answer: C. D

Question: 474

Create a Thin LUN on Huawei OceanStor V3 with a capacity of 100G and an initial allocated capacity of 10G, then

After mapping this LUN to the Windows 2012 host, the corresponding disk scanned on the host, the disk shows

The capacity should be 10G.

- A. TRUE
- B. FALSE

Answer: B

Question: 475

FTP is a very secure protocol with no security risks.

- A. TRUE
- B. FALSE

Answer: B

Question: 476

When the RTO requirement is within 10 minutes, the traditional tape backup method is not recommended.

- A. TRUE
- B. FALSE

Answer: A

Question: 477

When the RPO time requirement is at the minute level, the traditional tape backup method can be used.

- A. TRUE
- B. FALSE

Answer: B

Question: 478

The following describes RAID 10, which are correct? (Multiple choice)

- A. RAID 10 is used in scenarios with high requirements for speed and fault tolerance
- B. RAID 10 requires at least 4 member disks
- C. In RAID 10, if two member disks in a subgroup fail, the data is read normally
- D. In RAID 10, the data is first mirrored and then striped

Answer: A. B. D

Question: 479

Which ports in the FC switch can communicate with each other is determined by the zone.

- A. TRUE
- B. FALSE

Answer: A

Question: 480

A device has only one WWNN number, but it can have multiple WWPN numbers.

- A. TRUE
- B. FALSE

Answer: A

Question: 481

The following are the characteristics of the clustered NAS storage architecture: (multiple choice)

- A. Unified namespace, shared globally
- B. High performance, multiple arrays concurrent I/O
- C. Online expansion
- D. can provide block-level storage

Answer: A. B. C

Question: 482

Deduplication and compression can only be enabled for Thin LUNs.

- A. TRUE
- B. FALSE

Answer: A

Explanation:

Resolution: Only thin LUN can enable deduplication.

Question: 483

Which of the following RAID levels has the lowest hard disk space utilization?

- A. RAID 0
- B. RAID 1
- C. RAID 3
- D. RAID 5

Answer: B

Question: 484

Which of the following operating systems can access CIFS shares without installing additional software?

- A. Win7
- B. Solaris
- C. FreeBSD
- D. AIX

Answer: A

Question: 485

The following two descriptions are correct:

Description 1: Synchronous remote replication, when the primary storage fails, the amount of data lost can be 0.

Description 2: When the host is a Linux-based file system, asynchronous remote replication must be used.

- A. description 1 and description 2 are correct
- B. Description 1 pair, description 2 wrong
- C. Description 1 wrong, description 2 pairs
- D. description 1 and description 2 are wrong

Answer: B

Question: 486

Which of the following is not an IP SAN component?

- A. Storage device with iSCSI interface
- B. twisted pair
- C. NIC
- D. FC switch

Answer: D

Question: 487

DAS is a storage architecture without scalability.

- A. TRUE
- B. FALSE

Answer: A

Question: 488

What is the correct sequence of the overall reconstruction process?

1. Query all CKGs with CK falling on the faulty disk
2. Assign hot spare CK to all these CKGs
3. Update CKG information and release the reconstructed CK
4. Write the reconstructed data to the hot standby CK
5. Through the RAID algorithm, calculate the data on the failed disk based on the data on the normal disk and the check disk

- A. 1->2->5->4->3
- B. 1->2->3->5->4
- C. 5->1->2->3->4
- D. 5->2->1->4->3

Answer: A

Question: 489

SAN network-based data replication technology is a storage area network between front-end application servers and back-end storage systems Network (SAN), adding a layer of intelligent switches, the front end is connected to the server host, and the back end is connected to the storage device.

- A. TRUE
- B. FALSE

Answer: A