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H13-611

HCNA-Storage (Huawei Certified Network Associate-Storage)

Version 1.0

Exam A

QUESTION 1 Which of the following are the 3 layers of components that storage systems are made up of?
(Choose three.)

A. Storage Analysis
B. Storage Solution
C. Storage Software
D. Storage Hardware

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 2

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.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 3

Which of the following dimensions are often used to express the data used in Big Data scenarios? (Choose all that apply.)

A. Variety
B. Velocity
C. Verticality
D. Volume

Correct Answer: ABD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 4 The only cable type that can be used to connect disk enclosures is the
mini SAS cable.

A. FALSE
B. TRUE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 5 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.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 6 In HUAWEI OceanStor V3, which of the following statements about mapping a snapshot is true?

A. Snapshots optionally can be mapped to multiple hosts.
B. All of the answers are true.
C. Snapshots can only be mapped to the same host the original LUN was mapped to.
D. Mapped snapshots are always Read-Only

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 7 IP SAN uses underlying optical networks to connect servers and storage systems.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 8 Which of the following best describes SDN?

A. Decoupling of the data plane and control plane in networks.
B. Using a software program to manage your network.
C. Using hardware to manage the network.
D. The virtualization of network services to achieve better efficiency and scalability.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 9 Storage Pools cannot be created with a
single tier of disks.

A. FALSE
B. TRUE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 10 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. FALSE
B. TRUE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 11 What is
a storage array?

A. A system that manages the network functions and carries the data traffic from host to storage.
B. 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.
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 communication of data from end users to its storage location and provide confirmation on successful storage.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 12
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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 13
Which of the following criteria fits the definition of the Cloud? (Choose all that apply.)
A. On Demand Self Service
B. Ubiquitous Access

C. Shared Pool Of Configurable Resources
D. Massively Parallel Processing

Correct Answer: ABCD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 14 What is the main difference between mechanical drives such as SAS with solid state
drives (SSD)?

A. The lifespan of hard drive.
B. The presence of mechanical parts.
C. The capacity of hard drive.
D. The performance of the hard drive.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 15 If no data migration plan is set, with SmartTier enabled, there will be no data movement at all
between tiers.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 16
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. Internet Of Things
C. Social Media
D. Big Data

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 17
Based on the new industrial revolution, what are the changes in the trend of ICT? (Choose all that apply.)
A. ICT is slowly being replaced by other new technologies such as IT and CT.
B. The initial phases of ICT focuses on office automation but slowly changed towards changing business flows.
C. ICT trend is changing slowly with little significant changes.

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

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 18
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. Both statements 1 and 2 are false
B. Statement 1 is true and 2 is falseC. Statements 1 and 2 are both true
D. Statement 1 is false and statement 2 is true

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 19 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.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 20
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.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
QUESTION 21
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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 22
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.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 23
Statement 1: Multipathing is caused by adding redundant hardware.
Statement 2: Huawei offers a different version of UltraPath for different operating systems.

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 24 Which of the following statements about block virtualization technology for Huawei storage systems are correct? (Choose all that apply.)

A. A CKG is the unit used in applying for space, releasing space, and relocating data.
B. Data reconstruction efficiency improves significantly.
C. A RAID group is formed in the unit of physical disks.
D. Data is distributed to all disks, fully leveraging the read/write processing capability of a storage system.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 25 Which of the following operating systems supports the CIFS
protocol natively?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 26 Which of the following is a valid protocol for a UNIX-based NAS server? (Choose
all that apply.)

A. CIFS
B. SMB
C. Novell Control Protocol
D. NFS

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 27 SAN is a storage architecture that connects storage device and application servers
through network.

A. FALSE
B. TRUE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 28
In HUAWEI OceanStor V3, which licensed feature is best described as: periodically detects hotspot data and promotes them from low-speed storage media to high-speed media.

A. SmartMigration
B. SmartTier
C. SmartMove
D. SmartMotion

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 29 In an ICT infrastructure the servers can run different operating systems like
Windows, Linux, AIX.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 30
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.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 31
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 – d; 2 – a; 3 – b; 4 - c
B. 1 – a; 2 – d; 3 – b; 4 - c
C. 1 – a; 2 – b; 3 – c; 4 - d
D. 1 – d; 2 – a; 3 – c; 4 - b

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 32 What is typical for a DAS solution?
(Choose all that apply.)

A. Sharing of files between DAS solutions is possible via the network.
B. Consists of a server/host with its locally connected disk drives.
C. More scaleable in capacity than a SAN solution.
D. Backups are centrally made on a special backup server.
Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 33 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.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 34 Data and Information are
the same thing.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 35 What are components of an ICT infrastructure?
(Choose all that apply.)

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

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 36 Which of the following statements are characteristics of pre-copy technology? (Choose
all that apply.)

A. Improves system reliability.
B. Reduces system performance.
C. 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.
D. Reduces the occurrence of reconstruction.
Correct Answer: ACD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 37 Storage array is a network signals or data. It can provide a dedicated communication channel between any 2 nodes in the network that is connected.

A. FALSE
B. TRUE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 38
Statement 1: Fiber optic cables must be bended with a minimum radius of 10 centimeters.
Statement 2: Bends and dirt causes the light signal to be weaker and the sensor cannot detect the light pulse then.

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 39 What is the purpose of
context for data?

A. Context is optional when collecting and analyzing data.
B. Context gives comparison between data and information.
C. Context gives meaning to the data collected. Without context the data is meaningless.
D. Context is only found in data and not in information.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 40 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
Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 41 Which of the following statements about HUAWEI OceanStor V3 SmartTier dynamic storage tiering technology is NOT true?

A. The SmartTier automatically and dynamically matches data from different activity levels with storage media of different characteristics.
B. The SmartTier calculates and analyzes the activity level of data.
C. Data statistics, analysis, and relocation activities of the SmartTier affect service continuity and data availability.
D. The SmartTier data relocation activities are based on configured policies.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 42
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. Statements 1 and 2 are false
B. Statement 1 is true; Statement 2 is false
C. Statement 1 and 2 are true
D. Statement 1 is false; Statement 2 is true

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 43 Select the correct statements about the structure and functions of the hard disk components.
(Choose all that apply.)

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

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 44 What statement about the SATA and SAS
technologies is true?

A. Both SATA and SAS are intelligent protocols with intelligent devices.
B. Both use full-duplex communication.
C. Both use serial communication.
D. SATA and SAS support the same maximum number of devices on the bus.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 45 Which of the following occurs after multipathing software is installed on a host? (Choose all that apply.)

A. Improves link reliability and prevents the failure of a single link from causing a system failure.
B. Sets up connection between a storage device and the host.
C. Avoids logical errors from occurring in the operating system as a result of multiple reachable paths to the same LUN.
D. Maps a LUN to the host.

Correct Answer: ACD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 46
Statement 1: We have a RAID5 protected group of disks. The protection level increases if we add more disks to the group. Statement 2: With a RAID 10 set the number of disks must be greater than 8 to always survive a dual disk failure.

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 47 What statement is true?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 48
Grid storage employs the combination of large scale serial distributed storage to provide even distribution of storage across all nodes.

A. FALSE
B. TRUE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 49 When the RPO is minutes instead of hours the best backup method is
traditional Tape backup.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 50 Which of the following methods provides
the best RTO?

A. Replication
B. Disk-To-Tape
C. Virtual Tape Library
D. Disk-To-Disk-To-Tape

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 51
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 and 2 are false.
C. Statement 1 is true; Statement 2 is false.
D. Statement 1 is false; Statement 2 is true.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 52
The restore time objective (RTO) specifies the time needed to recover the data and servers after a disaster has occurred.
A. FALSE
B. TRUE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 53
Statement 1: Virtual Tape Libraries allow for a highly scalable backup strategy as storage can be added later. Statement
2: Virtual Tape Libraries should be used when remote datacenters are NOT available.

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 54
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. Both statements 1 and 2 are false.
C. Statement 1 is true and statement 2 is false.D. Statement 1 is false and statement 2 is true.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 55 Which of the following are correct steps in a LAN based backup job?
(Choose all that apply.)

A. Agent on application server sends data to the backup device.
B. Backup server sends a "start-backup" command to the backup device.
C. Agent on application server sends data to backup media server.
D. Backup media server sends data to the backup device.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 56
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. Synchronous but ONLY if the link is a high speed 8 Gb/s fiber optical connection
B. Asynchronous
C. Synchronous
D. Both Asynchronous and Synchronous will work

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 57
Statement 1: Every time 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. Statements 1 and 2 are true.
B. Statements 1 and 2 are false.
C. Statement 1 is false; Statement 2 is true.
D. Statement 1 is true; Statement 2 is false.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 58 HyperReplication for HUAWEI OceanStor V3 can use FC links the data centers. ISCSI links are
not supported.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 59 Which of the following
statements is incorrect?

A. Physical volumes reside on the lowest layer in the logical volume manager. Logical volumes and volume groups are dependent on physical volumes.
B. A logical volume can reside on multiple physical disks. Data storage can be physically discontinuous.
C. Multiple volume groups can be created on the space of a logical volume.
D. A volume group is built on physical volumes. A volume group can contain one physical volume group or multiple physical volumes.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 60
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. df/dev/sdb5/mnt/sdb5
B. in/dev/sdb5/mnt/sdb5
C. cat/dev/sdb5/mnt/sdb5
D. mount/dev/sdb5/mnt/sdb5

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference: