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QUESTION 1

You want to create a RAID set with 8 disks. Which RAID technology incurs a 50% capacity penalty?

- A. RAID 0
- B. RAID 1
- C. RAID 5
- D. RAID 6

Correct Answer: B

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{\rtf1\ansi\ansicpg936\deff0\deflang1033\deflangfe2052{\fonttbl{\f0\fnil\charset0 MS Shell Dlg 2;}}\viewkind4\uc1\pard\lang2052\f0\fs17 Industry Standard Architecture - Student Guide 1 - Page 256\par RAID 1 - Disk Mirroring\par Disk mirroring uses two disk drives of identical size. Data is written twice, to two separate mirrored drives. Data is written to one drive and an exact copy is written on the second disk. If one drive fails, the mirrored drive ensures data is not lost and read-write operations continue to be served.\par This fault-tolerant solution is considered expensive because it requires double the drive storage. Only 50% of the total disk space is available for data storage because all data must be duplicated.\par }
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QUESTION 2

Which port type does a host server use when connected to an FC-SAN?

- A. N_Port
- B. E_Port
- C. G_Port
- D. F_Port

Correct Answer: A

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{\rtf1\ansi\ansicpg936\deff0\deflang1033\deflangfe2052{\fonttbl{\f0\fnil\charset0 MS Shell Dlg 2;}}\viewkind4\uc1\pard\lang2052\f0\fs17 Industry Standard Architecture - Student Guide 1 - Page 289\par The three basic types of ports used within a FC-SAN are:\par N_port---Node port to either a disk or server \par F_port---Fabric port, found only on a switch; connects only to the N_port by PtP connection\par E_port--- Expansion port on a switch used to connect to other switches\par }
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QUESTION 3

You are implementing a tape backup solution on a customer's site. The customer's servers are located in two different fire compartments 10m apart. Which SCSI standard can be used at the lowest cost for this environment to integrate a tape library in a different fire compartment?

- A. Ultra
- B. Fast

C. LVD

D. Fibre Channel

Correct Answer: C

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{\rtf1\ansi\ansicpg936\deff0\deflang1033\deflangfe2052{\fonttbl{\f0\fnil\fcharset0 MS Shell Dlg 2;}}\viewkind4\uc1\pard\lang2052\fs17 Industry Standard Architecture - Student Guide 1 - Page 213:\par Cables\par The type of SCSI cable used depends on the protocol and configuration. Cable selection can be confusing because SCSI has a variety of protocols and configurations and differential and single-ended SCSI devices look identical.\par
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}

QUESTION 4

You have a disk enclosure with 14 x 72GB Wide-Ultra2 SCSI hard disks connected. You add an additional disk enclosure with 8 x 146GB Hot-Pluggable Ultra320 SCSI hard disks to an array controller. To optimize performance, you move 3 x

72GB Ultra2 hard disks to a new enclosure to balance the number of hard disks across two channels.

The disks in the new enclosure are not working correctly and the disks are not seen in the array controller management tool. There are no conflicting device IDs and termination is correct. All enclosures were powered on before powering up

the server. What are the possible causes of the problem? (Select two)

- A. Ultra320 SCSI devices cannot be mixed with Wide-Ultra2 SCSI devices.
- B. You must update the SCSI Controller BIOS to the latest supported revision.
- C. The cables and/or connectors are faulty or not properly seated.
- D. The number of disks exceeds the capability of the controller.
- E. The SCSI I/O module on the disk enclosure is faulty.

Correct Answer: BD

QUESTION 5

What is the virtual machine instance commonly called?

- A. guest
- B. host
- C. partition
- D. hypervisor

Correct Answer: A

QUESTION 6

What happens during a normal backup? (Select two)

- A. The archive bit is set to 1.
- B. The archive bit is left alone.
- C. The archive bit is reset to 0.
- D. The transaction log is cleared.
- E. The transaction log is left alone.

Correct Answer: CD

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{\rtf1\ansi\ansicpg936\deff0\deflang1033\deflangfe2052{\fonttbl{\f0\fnil\charset0 MS Shell Dlg 2;}}\viewkind4\uc1\pard\lang2052\fs17 Industry Standard Architecture - Student Guide 2 - Page 298:\par Normal backup ?Backs up files and resets the archive bit. The archive bit is used to determine if the file has been backed up or not.\par A normal backup backs up database files and then the transaction log files. It then deletes the transaction log files from the directory. You can have circular logging disabled because your backup software deletes the log files. Therefore, if you are performing regular backups, you will not have a problem with log files filling your drive.\par }
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QUESTION 7

What is problematic for a data center? (Select two)

- A. low humidity
- B. high humidity
- C. carbon dioxide fire suppression system
- D. separate console room for KVM stations
- E. inline UPS

Correct Answer: AB

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{\rtf1\ansi\ansicpg936\deff0\deflang1033\deflangfe2052{\fonttbl{\f0\fnil\charset0 MS Shell Dlg 2;}}\viewkind4\uc1\pard\lang2052\fs17 Industry Standard Architecture - Student Guide 2 - Page 204:\par Recognizing and reporting environmental issues\par Humidity ---The humidity in the server room is another environmental quality that is critical to the proper functioning of the server. The air conditioning system for the room often controls the humidity as well as the temperature.\par 1. Too much humidity in the air can damage the server? electronic components. In humid conditions, moisture can condense on the circuit boards and other components and cause short circuits or corrosion.\par 2. Too little humidity in the air can subject the server to electrostatic discharge which also can damage the server? components.\par }
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QUESTION 8

Into what range do reserved TCP/IP server ports generally fall?

- A. 0-1023

- B. 1-512
- C. 21-80
- D. 1024-8080

Correct Answer: A

{\rtf1\ansi\ansicpg936\deff0\deflang1033\deflangfe2052{\fonttbl{\f0\fnil\charset0 MS Shell Dlg 2;}}\viewkind4\uc1\pard\lang2052\f0\fs17 Industry Standard Architecture - Student Guide 2 - Page 53\par Server ports, or ports associated with services generally fall within the range of 0-1023.\par Any client can use any port number above 1024\par }

QUESTION 9

Match each power problem with its description.

Select and Place:

Power Problems	
Place Here	a period of time where a server is not receiving any power
Place Here	high voltage condition that lasts a few nanoseconds
Place Here	low voltage condition that lasts for an extended period of time
Place Here	low voltage condition that lasts for a few seconds
Place Here	high voltage condition that lasts for a few milliseconds

power spike	power sag	power surge	power brownout	power blackout
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Select and Place:

Power Problems

Place Here	a period of time where a server is not receiving any power
Place Here	high voltage condition that lasts a few nanoseconds
Place Here	low voltage condition that lasts for an extended period of time
Place Here	low voltage condition that lasts for a few seconds
Place Here	high voltage condition that lasts for a few milliseconds

power spike power sag power surge power brownout power blackout

Correct Answer:

Power Problems

power blackout	a period of time where a server is not receiving any power
power spike	high voltage condition that lasts a few nanoseconds
power brownout	low voltage condition that lasts for an extended period of time
power sag	low voltage condition that lasts for a few seconds
power surge	high voltage condition that lasts for a few milliseconds

QUESTION 10

What is the most efficient way to use external DVD-ROM for ten servers in one rack?

- A. Use separate USB DVD-ROMs for each server.
- B. Connect servers to the KVM switch with attached DVD-ROM.
- C. Use one DVD-ROM and connect to a single server when needed.
- D. Connect servers to a SAN switch with attached DVD-ROM.

Correct Answer: C

QUESTION 11

Your customer's workstation has four 15K rpm SAS drives. The customer wants the best possible performance, and is not concerned about data loss. Which RAID level best meets this customer's needs?

- A. RAID 0
- B. RAID 1
- C. RAID 5
- D. RAID 6

Correct Answer: A

{\rtf1\ansi\ansicpg936\deff0\deflang1033\deflangfe2052{\fonttbl{\f0\fnil\charset0 MS Shell Dlg 2;}}
\viewkind4\uc1\pard\lang2052\f0\fs17 Industry Standard Architecture - Student Guide 1 - Page 225:\par RAID 0 ---Disk striping\par RAID 0 is not fault tolerant and is often used in situations that are not mission-critical, where performance and capacity are more important than uptime. RAID 0 is the only non-fault-tolerant RAID level supported by HP.\par Because RAID 0 has no overhead associated with duplication of information, it provides the highest performance. Both read and write requests can use all member disks simultaneously.\par }

QUESTION 12

Which Network Operating System (NOS) filesystem allows you to set security on individual files?

- A. FAT32
- B. FAT
- C. NTFS
- D. CDFS

Correct Answer: C

QUESTION 13

Which server provides resolution from the hostname to the IP address?

- A. FTP
- B. PXE
- C. DNS
- D. DHCP

Correct Answer: C

{\rtf1\ansi\ansicpg936\deff0\deflang1033\deflangfe2052{\fonttbl{\f0\fnil\fcharset0 MS Shell Dlg 2;}}\viewkind4\uc1\pard\lang2052\f0\fs17 Industry Standard Architecture - Student Guide 1 - Page 17\par Domain Name Server (DNS) ?Provides resolution from hostnames to IP addresses and so forth\par }

QUESTION 14

What happens during an incremental backup? (Select two)

- A. The archive bit is set to 1.
- B. The archive bit is left alone
- C. The archive bit is reset to 0.
- D. The transaction log is cleared.
- E. The transaction log is left alone.

Correct Answer: CD

{\rtf1\ansi\ansicpg936\deff0\deflang1033\deflangfe2052{\fonttbl{\f0\fnil\fcharset0 MS Shell Dlg 2;}}\viewkind4\uc1\pard\lang2052\f0\fs17 Industry Standard Architecture - Student Guide 2 - Page 194\par In an incremental backup, only the new or changed files with the archive bit set on are backed up. After a file is backed up, its archive bit is turned off, or cleared. An incremental backup takes much less time to perform than the full backup, but more than the differential backup.\par }

QUESTION 15

What is provided by the serial port hardware interface for managing network devices?

- A. scalability
- B. ability to offload functions from the host
- C. well-defined communications standards
- D. caching and advanced functions

Correct Answer: B

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