

SK0-003 Server+

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CompTIA SK0-003



CompTIA Server+ Certification Exam

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by Phili

Sections

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2. Configuration 18%
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ExamA

QUESTION 1

Disk mirroring and disk duplexing are related to which RAID level?

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

Correct Answer: A

Section: Configuration 18%

Explanation

Explanation/Reference:

A. RAID 1 has two different implementations, disk mirroring and disk duplexing. Answers B, C, and D are incorrect because those RAID levels utilize disk striping or other implementations other than mirroring and duplexing. See Chapter 3, section "Configure Hardware-Based RAID."

QUESTION 2

At a minimum, how many disk drives are required to implement a RAID 5 array?

- A. 0
- B. 1
- C. 2
- D. 3

Correct Answer: D

Section: Configuration 18%

Explanation

Explanation/Reference:

D. RAID 5 requires a minimum of three disk drives to implement. Answers A, B, and C are incorrect because RAID 5 protects against a single disk drive's failure causing the network server to fail by enabling you to re-create the information on the failed drive on-the-fly using the information on the remaining disks. Therefore, at least two other drives (besides the failed one) are required (for a total of 3). See Chapter 3, section "Configure Hardware-Based RAID."

QUESTION 3

How might a SAN be connected to the network server?

- A. SCSI cable
- B. TCP/IP connection
- C. X-25 connection
- D. SNA connection

Correct Answer: A

Section: Configuration 18%

Explanation

Explanation/Reference:

A. Connecting the external disk subsystem to the network server might be accomplished by using a standard external SCSI cable or a Fibre Channel might be utilized. Answers B, C, and D are incorrect because these are network protocols, not ways to connect the disk subsystem to the network. See Chapter 3, section "Configuring External Peripherals."

QUESTION 4

After you have installed an SNMP agent, you must configure it with which name?

- A. An SNMP community name
- B. An SNMP username
- C. An SNMP network name
- D. A URL address

Correct Answer: A

Section: Configuration 18%

Explanation**Explanation/Reference:**

A. Once the SNMP agent is installed, it must be configured with a SNMP community name. Answers B, C, and D are incorrect because you do not have to configure any of these things with an SNMP agent. See Chapter 3, section "Install Service Tools".

QUESTION 5

Where should you install an SNMP agent?

Build List and Reorder:

Ordered List Title	Answer Choices Title
<div><div>▲▼</div><div></div></div>	<div>i. On the network routers</div> <div>ii. On a peripheral network</div> <div>iii. On your network operating system</div> <div>iv. On a standalone machine</div>
	<div>A. iv only</div> <div>B. i, ii, and iv</div> <div>C. i and iii</div> <div>D. ii only</div>

Correct Answer:

C. i and iii

Section: Configuration 18%

Explanation

Explanation/Reference:

C. You should install the SNMP agent on your network operating system. You can also install it on the router as well to aid with management. Answers ii and iv are incorrect because you need the SNMP functionality available to your server, and it would not necessarily be so if installed on the other choices. See Chapter 3, section "Install Service Tools."



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QUESTION 6

What are disk drive speeds characterized by?

- A. Rotational speed
- B. Speed at which they access the RAM cache
- C. Different factors by different manufacturers
- D. Bidirectional speed

Correct Answer: A

Section: Upgrading 12%

Explanation**Explanation/Reference:**

A. Disk drive speeds are characterized by their rotational speed. Answer B is incorrect because the RAM cache refers to the portion of RAM used as temporary workspace by various applications (and is more related to processor speed). Answer C is incorrect because drive manufacturers follow the rotational-speed standard when identifying disk drive speeds. Answer D is incorrect because drives rotate in one direction (unless something is perilously wrong). See Chapter 4, section "Add Hard Drives."

QUESTION 7

During a flash BIOS upgrade, when is the old BIOS erased?

- A. It is not erased; it resides in the EEPROM.
- B. After the new BIOS code is written to the EEPROM.
- C. Before the new BIOS code is written to the EEPROM.
- D. While the new BIOS code is being written to the EEPROM.

Correct Answer: C

Section: Upgrading 12%

Explanation**Explanation/Reference:**

C. The flash upgrade process is dangerous in that the old BIOS code in the EEPROM is first erased before the new BIOS code is written to the EEPROM. Answer A is incorrect because the BIOS is erased. Answer B is incorrect because the erasure occurs before, not after. Answer D is incorrect because the erasure doesn't occur simultaneously with the writing of the new BIOS. See Chapter 4, section "Upgrade BIOS/firmware."

QUESTION 8

What kind of coaxial cable is prohibited from existing in the plenum because of fire codes?

- A. All
- B. PVC
- C. Plenum-grade
- D. EMI-protected

Correct Answer: B

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

B. PVC is prohibited as it gives off poisonous fumes when it burns. Answer A is incorrect as plenum-grade cable is allowed in the plenum. Answer C is incorrect as this is the type of cable that is allowed by fire code. Answer D is incorrect as this is not a plenum-grade cable. See Chapter 5, section "The Physical Environment."

QUESTION 9

RAID 5 requires a minimum of _____ drives to implement.

- A. n
- B. 4
- C. 2
- D. 3

Correct Answer: D

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

D. A is incorrect as RAID 0 requires N drives to implement, where N is the number of drives. Answer B is incorrect as RAID Level 0+1 requires a minimum of 4 drives to implement. Answer C is incorrect as you will need a minimum of two drives to implement RAID 1. See Chapter 8, section "Creating a Disaster-Recovery Plan."

QUESTION 10

Which of the following most likely contains the latest hardware compatibility list for network operating systems?

- A. Vendor web sites
- B. Operating system manuals
- C. Hardware documentation
- D. Software CD-ROMs

Correct Answer: A

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

A. Vendor web sites contain the most up-to-date hardware compatibility lists for network operating systems. Answers B, C, and D are incorrect as the information may become obsolete in a short time because of operating

system updates and changes. See Chapter 2, section “Verifying Hardware Compatibility with the Operating System.”

QUESTION 11

What is the time range for an adequate-size UPS to keep the network server running long enough for it to perform a normal shutdown?

- A. 3 to 5 minutes
- B. 5 to 10 minutes
- C. 10 to 15 minutes
- D. 20 to 30 minutes

Correct Answer: B

Section: Installation 17%

Explanation

Explanation/Reference:

B. The time range for an adequate size UPS to keep the network server running in order to perform a normal shutdown is 5 to 10 minutes. Answer A is considered undersized and will only keep the server running a very short period of time. Answers C and D are considered oversized time ranges. See Chapter 2, section “Verifying the Uninterruptible Power-Supply Size.”

QUESTION 12

When must the RAID controller be configured?

- A. Before the network operating system can be installed
- B. After the network operating system is installed
- C. Before placing the system in a server rack
- D. After adding a DVD-ROM drive

Correct Answer: A

Section: Installation 17%

Explanation

Explanation/Reference:

A. The RAID controller must be configured before the network operating system can be installed. Answer B is incorrect as the configuration must occur prior to installing the network operating system. Answer C is incorrect as when the system is placed in a server rack should not matter. Answer D is incorrect as a DVD-ROM drive can be added at any time. See Chapter 2, section “RAID Controller(s).”

QUESTION 13

Under what conditions should you consider the use of a POST Diagnostics Board?

- A. When the network server is performing poorly
- B. When the network server will not boot
- C. When the network server will not connect to the network
- D. When the network server services file to load

Correct Answer: B

Section: Troubleshooting & Problem Determination 27%

Explanation

Explanation/Reference:

B. A POST Diagnostics Board is used when the network server will not boot. For more information, see the section "Troubleshooting Boot Failure."

QUESTION 14

A new hard disk drive has been added to a SCSI channel. However, when the network server boots the SCSI controller not only doesn't see the new disk drive, but one of the disk drives that it previously saw no longer appears in the list of devices attached to the SCSI controller.

Which of the following is the most likely cause of the problem?

- A. The new SCSI disk drive has the same SCSI ID as the SCSI device already attached to the SCSI channel.
- B. The SCSI bus is not terminated at both ends.
- C. The SCSI channel is too long.
- D. The SCSI disk drive is set to master rather than slave.

Correct Answer: A

Section: Troubleshooting & Problem Determination 27%

Explanation**Explanation/Reference:**

A. The new SCSI disk drive has duplicated the SCSI ID of another device on the SCSI channel, thus making both not appear on the list of recognized SCSI devices. The SCSI bus being not correctly terminated would cause all SCSI devices to be unrecognized. The SCSI bus being too long would cause the system to be "flaky" in performance. Answer D is totally wrong, because SCSI disk drives do not have master and slave settings. For more information, see the section "Troubleshooting a SCSI Subsystem."

QUESTION 15

You have a group of six 36GB disk drives that you want to configure as a RAID 5 array. After you have configured the RAID array with the six disk drives, what is the total storage capacity of the single logical drive created by the RAID array?

- A. 216GB
- B. 180GB
- C. 108GB
- D. 36GB

Correct Answer: B

Section: Configuration 18%

Explanation**Explanation/Reference:**

B. The total storage capacity of the single logical disk drive created by the RAID 5 array is 180GB. Using the formula $(n - 1) * c$, $(6 - 1) * 36 = 180$. For more information, see the section "RAID 5 Configuration."

QUESTION 16

Which RAID level does not provide fault tolerance?

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

Correct Answer: A

Section: Configuration 18%

Explanation

Explanation/Reference:

A. RAID 0 (disk striping without parity) does not provide any fault tolerance of disk drives. It does provide improved disk input/output performance.

For more information, see the section "RAID 0 Configuration."

QUESTION 17

You have four 18GB disk drives that you want to configure using RAID 0/1. What will be the storage capacity of the RAID 0/1 array after it has been configured?

- A. 18GB
- B. 36GB
- C. 54GB
- D. 72GB

Correct Answer: B

Section: Configuration 18%

Explanation

Explanation/Reference:

B. The storage capacity of a RAID 0/1 array with four 18GB disk drives is 36GB. For more information, see the section "RAID 0/1 Configuration."

QUESTION 18

You discover that the very top of the file structure for a network server is "/". What network server operating system is installed on the network server?

- A. Windows NT Server 4
- B. Novell NetWare
- C. IBM OS/2 Warp Server
- D. UNIX/Linux

Correct Answer: D

Section: Configuration 18%

Explanation

Explanation/Reference:

D. The UNIX/Linux operating systems have a file structure with the top designed as "/" or root. For more information, see the section "File Systems."

QUESTION 19

What is the storage capacity of a RAID 0 array that contains three 18GB disk drives?

- A. 18GB
- B. 36GB
- C. 54GB
- D. 9GB

Correct Answer: C

Section: Configuration 18%

Explanation

Explanation/Reference:

C. The storage capacity of a RAID 0 array with three 18GB disk drives is 54GB. For more information, see the section "RAID 0 Configuration."

QUESTION 20

Which of the following is the FIRST step when troubleshooting an issue?

- A. Identify the problem.
- B. Verify full system functionality.
- C. Document all findings.
- D. Establish a theory of probable cause.

Correct Answer: A

Section: Troubleshooting & Problem Determination 27%

Explanation**Explanation/Reference:**

Explanation:

QUESTION 21

Which of the following is being described when using a single physical server to host multiple logical servers to more effectively utilize hardware resources?

- A. Application virtualization
- B. Multicore processing
- C. Server virtualization
- D. Hyper threading

Correct Answer: C

Section: Environment 5%

Explanation**Explanation/Reference:**

Explanation:

QUESTION 22

Which of the following expansion cards should be installed into a server to provide fiber channel SAN connectivity?

- A. HBA
- B. USB
- C. UAC
- D. NIC

Correct Answer: A

Section: Environment 5%

Explanation**Explanation/Reference:**

Explanation:

QUESTION 23

An administrator notices that every time a particular server is restarted it requires a password in order for the server to begin the start up process. Which of the following is the reason this is happening?

- A. The server needs to have the password service verified and reconfigured.
- B. The server administrator has set a password policy in Group Policy.
- C. The server has the BIOS setting configured incorrectly.
- D. The server is set with a boot password before accessing the OS.

Correct Answer: D

Section: Environment 5%

Explanation

Explanation/Reference:

Explanation:

QUESTION 24

Which of the following would an administrator follow when disposing of equipment for a financial institution?

- A. Local laws and regulations
- B. Escalation procedure regulations
- C. Manufacturer's regulations
- D. Server OEM regulations

Correct Answer: A

Section: Environment 5%

Explanation

Explanation/Reference:

Explanation:

QUESTION 25

Which of the following server roles provides a common time to all computers?

- A. NTP
- B. SNMP
- C. SMTP
- D. RAS

Correct Answer: A

Section: Environment 5%

Explanation

Explanation/Reference:

Explanation:

QUESTION 26

Which of the following internal storage technologies has the HIGHEST single drive storage capacity?

- A. SAS
- B. SATA
- C. Flash
- D. SCSI

Correct Answer: B

Section: Environment 5%

Explanation

Explanation/Reference:

Explanation:

QUESTION 27

An administrator setting up software RAID 1 on a Windows Server with two volumes for two separate hard drives, but the option for mirrored is grayed out. Which of the following is the MOST likely reason why this is occurring?

- A. The disks have been setup as basic.
- B. The page file must be at least 4GB to support mirrored drives.
- C. The disks have been setup as dynamic.
- D. Windows does not support software RAID 1.

Correct Answer: A

Section: Environment 5%

Explanation

Explanation/Reference:

Explanation:

QUESTION 28

Which of the following BEST describes a NAS?

- A. A collection of disks presented as storage to a single server through an existing network.
- B. A collection of disks presented as storage to a single server through directly attached technologies.
- C. A collection of disks presented as storage to multiple servers through dedicated channels.
- D. A collection of disks presented as storage to multiple servers through an existing network.

Correct Answer: D

Section: Environment 5%

Explanation

Explanation/Reference:

Explanation:

QUESTION 29

Which of the following BEST describes a virtual machine?

- A. Host
- B. VDI
- C. Hyper-V
- D. Guest

Correct Answer: D

Section: Environment 5%

Explanation

Explanation/Reference:

Explanation:

QUESTION 30

Which of the following would be the BEST location to research current physical layout?

- A. Remote management software
- B. Rack diagrams
- C. OEM documentation

D. Pre-installation plans

Correct Answer: B

Section: Environment 5%

Explanation

Explanation/Reference:

Explanation:

QUESTION 31

Which of the following is a public IP address?

A. 172.31.254.40

B. 10.100.11.1

C. 192.168.100.1

D. 172.15.16.76

Correct Answer: D

Section: Environment 5%

Explanation

Explanation/Reference:

Explanation:

QUESTION 32

Which of the following backup types will reset the archive bit on files backed up? (Select TWO).

A. Copy

B. Full

C. Snapshot

D. Incremental

E. Differential

Correct Answer: BD

Section: Environment 5%

Explanation

Explanation/Reference:

Explanation:

QUESTION 33

Which of the following backup types will not reset the archive bit on backed up files?

A. GFS

B. Full

C. Differential

D. Incremental

Correct Answer: C

Section: Environment 5%

Explanation

Explanation/Reference:

Explanation:

QUESTION 34

Which of the following RAID arrays should be used to achieve the BEST fault tolerance?

- A. Four drives with RAID 0
- B. Four drives with RAID 3
- C. Four drives with RAID 5
- D. Four drives with RAID 10

Correct Answer: D

Section: Environment 5%

Explanation

Explanation/Reference:

Explanation:

QUESTION 35

Which of the following operating systems can Hyper-V run on?

- A. 64-bit Linux Enterprise Edition
- B. 64-bit Windows Server 2008
- C. 32-bit Windows Server 2008
- D. 64-bit Windows Server 2003

Correct Answer: B

Section: Environment 5%

Explanation

Explanation/Reference:

Explanation:

QUESTION 36

An administrator installs a new server with five 146GB drives and implements RAID 5 for hardware redundancy. How much disk space will be available for the OS, tools and regular files?

- A. 146GB
- B. 438GB
- C. 584GB
- D. 730GB

Correct Answer: C

Section: Environment 5%

Explanation

Explanation/Reference:

Explanation:

QUESTION 37

Which of the following memory technologies doubles the amount of data obtained in a single memory access from 64-bits to 128-bits?

- A. SDRAM
- B. DDR RAM
- C. Interleaved memory
- D. Online spare memory

Correct Answer: B
Section: Environment 5%
Explanation

Explanation/Reference:
Explanation:

QUESTION 38

Which of the following features should a technician consider when purchasing a KVM switch for a datacenter?

- A. PCI slots available
- B. Scalability and flexibility
- C. Number of analog modems provided
- D. Number of video conference devices connected

Correct Answer: B
Section: Environment 5%
Explanation

Explanation/Reference:
Explanation:

QUESTION 39

An administrator sees that smoke is coming from the UPS. Which of the following should they do FIRST?

- A. Use a Class A fire extinguisher.
- B. Evacuate personnel.
- C. Install additional fans in the UPS.
- D. Backup the servers.

Correct Answer: B
Section: Troubleshooting & Problem Determination 27%
Explanation

Explanation/Reference:
Explanation:

QUESTION 40

A system administrator is trying to troubleshoot company wide email problems that may be related to DNS. Which of the following network tools would be MOST useful to determine if it is a DNS issue?

- A. netstat
- B. tracer
- C. nslookup
- D. ping

Correct Answer: C
Section: Troubleshooting & Problem Determination 27%
Explanation

Explanation/Reference:
Explanation:

QUESTION 41

A system administrator needs to specify a set of FQDN to IP address mappings for a legacy server; the administrator does not want the legacy server to be referenced by other servers. Which of the following should

the administrator use to set this?

- A. DHCP server
- B. DNS server
- C. Host file
- D. Route statements

Correct Answer: C

Section: Troubleshooting & Problem Determination 27%

Explanation

Explanation/Reference:

Explanation:

QUESTION 42

Which of the following is the MINIMUM number of disks necessary for a RAID 10 array?

- A. 2
- B. 3
- C. 4
- D. 6

Correct Answer: C

Section: Troubleshooting & Problem Determination 27%

Explanation

Explanation/Reference:

Explanation:

QUESTION 43

Which of the following technologies can be used to remotely gain access to a server console? (Select TWO).

- A. PS/2 KVM
- B. LDAP
- C. VNC
- D. Remote desktop
- E. VPN

Correct Answer: CD

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 44

Which of the following stripes data at the block level and does not have a dedicated disk for parity?

- A. RAID 1 and RAID 5
- B. RAID 2 and RAID 10
- C. RAID 3 and RAID 0
- D. RAID 0 and RAID 5

Correct Answer: D

Section: Troubleshooting & Problem Determination 27%

Explanation

Explanation/Reference:

Explanation:

QUESTION 45

Which of the following storage technologies will provide the FASTEST speed?

- A. SAS
- B. SATA
- C. PATA
- D. EIDE

Correct Answer: A

Section: Troubleshooting & Problem Determination 27%

Explanation

Explanation/Reference:

Explanation:

QUESTION 46

Which of the following server chassis types allows for the HIGHEST server density in a rack?

- A. Blade server
- B. Tower converted to rack server
- C. Tower server
- D. Rack server

Correct Answer: A

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 47

Multicore can be described as which of the following?

- A. Multiple processors dedicated for individual tasks.
- B. Multiple cores on a single die.
- C. Multiple cores on multiple dies.
- D. Multiple processors working together to increase processing power.

Correct Answer: B

Section: Troubleshooting & Problem Determination 27%

Explanation

Explanation/Reference:

Explanation:

QUESTION 48

Which of the following server roles sends out a time signal for clients to synchronize with a clock?

- A. DHCP
- B. NTP

- C. SMTP
- D. DNS

Correct Answer: B

Section: Troubleshooting & Problem Determination 27%

Explanation

Explanation/Reference:

Explanation:

QUESTION 49

Which of the following ports should be allowed through a firewall for Telnet to function?

- A. 23
- B. 25
- C. 50
- D. 110

Correct Answer: A

Section: Troubleshooting & Problem Determination 27%

Explanation

Explanation/Reference:

Explanation:

QUESTION 50

Given four drives, which of the following RAID levels will allow for the GREATEST performance?

- A. RAID 0
- B. RAID 5
- C. RAID 6
- D. RAID 10

Correct Answer: A

Section: Troubleshooting & Problem Determination 27%

Explanation

Explanation/Reference:

Explanation:

QUESTION 51

Which of the following MOST correctly describes a hot spare?

- A. A drive assigned to an array that will only hold parity information used for rebuilding a failed array drive.
- B. An external hard drive to which all data is replicated to for recovery in the event of a failure.
- C. A drive assigned to an array that will automatically be used to rebuild a failed array drive.
- D. An extra drive purchased and stored in the parts cabinet to replace failed drives.

Correct Answer: C

Section: Troubleshooting & Problem Determination 27%

Explanation

Explanation/Reference:

Explanation:

QUESTION 52

As a best practice, when should the server be rebooted to apply the reboot required patches?

- A. During scheduled downtime
- B. Once a year
- C. As soon as the patches are finished installing
- D. At the same time every day

Correct Answer: A

Section: Troubleshooting & Problem Determination 27%

Explanation

Explanation/Reference:

Explanation:

QUESTION 53

When installing a server in a rack, which of the following locations describes where in the rack a server should be installed?

- A. On the very bottom U of the rack, with the UPS above the server
- B. In the middle of the rack to help balance the rack
- C. Closest to the bottom of the rack, above heavier equipment
- D. On the very top U of the rack, with the UPS directly below it

Correct Answer: C

Section: Troubleshooting & Problem Determination 27%

Explanation

Explanation/Reference:

Explanation:

QUESTION 54

Which of the following cable types should be used to achieve Gigabit Ethernet speed?

- A. CAT5
- B. CAT3
- C. CAT6
- D. Thicknet

Correct Answer: C

Section: Troubleshooting & Problem Determination 27%

Explanation

Explanation/Reference:

Explanation:

QUESTION 55

When disposing of data, which of the following should be considered FIRST?

- A. Company policy requirements
- B. Local legal requirements
- C. Storage requirements
- D. Disposal requirements

Correct Answer: B

Section: Troubleshooting & Problem Determination 27%

Explanation

Explanation/Reference:

Explanation:

QUESTION 56

Which of the following can be used when installing the OS without a boot disk?

- A. ZFS
- B. VMFS
- C. PXE
- D. PBX

Correct Answer: C

Section: Troubleshooting & Problem Determination 27%

Explanation

Explanation/Reference:

Explanation:

QUESTION 57

Management has asked the server technician to deploy fourteen new servers with newly-released operating systems in the virtual environment for testing purposes. Which of the following is the FASTEST way to do this?

- A. Create a template of an existing server and deploy the fourteen images from that server.
- B. Create a server template, and deploy all fourteen servers from this template.
- C. Create one server, create a backup image, and restore thirteen servers from the image.
- D. Create each server individually.

Correct Answer: B

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 58

A system administrator needs to provision storage for a 200GB database. The database must have extremely low seek time. Which of the following is the BEST solution?

- A. A JBOD
- B. A RAID 50 array
- C. A NAS
- D. A single SSD

Correct Answer: D

Section: Troubleshooting & Problem Determination 27%

Explanation

Explanation/Reference:

Explanation:

QUESTION 59

A technician works in a datacenter that is shared by multiple companies. The technician is concerned with preventing the theft of proprietary information by other technicians with access to the datacenter. Which of the

following is the BEST way to prevent data theft in this scenario?

- A. Mantraps
- B. Two-factor authentication
- C. Security personnel
- D. Locked rack doors

Correct Answer: D

Section: Environment 5%

Explanation

Explanation/Reference:

Explanation:

QUESTION 60

A technician wants to decrease the overall attack surface of the servers in a data center through decreasing the number of open network ports on each server. Which of the following could the technician implement to increase security?

- A. Host based intrusion detection software
- B. Software firewall
- C. NTFS
- D. ACL

Correct Answer: B

Section: Troubleshooting & Problem Determination 27%

Explanation

Explanation/Reference:

Explanation:

QUESTION 61

Lightening causes a power surge and leads to a fire in the datacenter. Following emergency procedures, which of the following is the FIRST thing the server administrator should do?

- A. Turn off all electrical power
- B. Remove all backup media
- C. Implement fire suppression
- D. Evacuate all personnel

Correct Answer: D

Section: Troubleshooting & Problem Determination 27%

Explanation

Explanation/Reference:

Explanation:

QUESTION 62

If there is a conflict in policy for data retention, which of the following should the technician adhere to FIRST?

- A. Industry best practices
- B. Company policy
- C. International standards
- D. Local legal requirements

Correct Answer: D

Section: Troubleshooting & Problem Determination 27%

Explanation

Explanation/Reference:

Explanation:

QUESTION 63

A server in the production environment monitors output from various sensors along an assembly line. New equipment is being added to the line that will require monitoring. The server administrator needs to add additional inputs to the server for this new equipment. Which of the following input types is MOST likely required?

- A. EIDE
- B. SATA
- C. Serial
- D. Video

Correct Answer: C

Section: Troubleshooting & Problem Determination 27%

Explanation

Explanation/Reference:

Explanation:

QUESTION 64

A server needs to have memory added to support a new application. It currently is using PC4200 in a single channel configuration. Which of the following would be the correct memory upgrade?

- A. Install larger capacity PC2100 dual channel memory modules.
- B. Add a PCI expansion card with PC2100 single channel memory modules.
- C. Install smaller capacity PC4200 single channel memory modules.
- D. Install larger capacity PC4200 single channel memory modules.

Correct Answer: D

Section: Troubleshooting & Problem Determination 27%

Explanation

Explanation/Reference:

Explanation:



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QUESTION 65

Which of the following is the typical recommended temperature range for a data center?

- A. 64°F to 77°F (18°C to 25°C)
- B. 78°F to 85°F (26°C to 29°C)
- C. 41°F to 55°F (5°C to 12°C)
- D. 56°F to 63°F (13°C to 17°C)

Correct Answer: A

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 66

Which of the following is the advantage of Server to Server replication in a cluster environment over Disk to Disk?

- A. Reduced network traffic
- B. Frequent BIOS updates are not required
- C. Backup agent does not need to be installed
- D. Provides greater overall fault tolerance

Correct Answer: D

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 67

NAS, SAN, and Tape library are MOST commonly used for which of the following?

- A. System paging file
- B. Virtual memory
- C. GPU processing
- D. Backup and file storage

Correct Answer: D

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 68

An administrator is creating a new data retention policy. Which of the following is the MOST important consideration?

- A. Compile technical requirements for new policy
- B. Comply with applicable laws and regulations
- C. Destroy the old data retention policy
- D. Have hard copies of the new policy stored offsite

Correct Answer: B

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 69

A server contains a 3 disk RAID 5 array. The red LED is illuminated on one of the drives. Which of the following should the server administrator perform?

- A. Replace the drive
- B. Restore the drive from backup
- C. Reboot the server
- D. Reconfigure RAID 5 to RAID 10

Correct Answer: A

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

QUESTION 70

When building a computer with a 32 bit processor, which of the following is the MAXIMUM amount of memory supported?

- A. 1GB
- B. 2GB
- C. 4GB
- D. 8GB

Correct Answer: C

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 71

A technician has installed an additional NIC on a server. Which of the following can now be setup?

- A. Teaming
- B. VLANs
- C. Port forwarding
- D. Full duplex

Correct Answer: A

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 72

Typically, warranty information can be found on a vendor's website by looking up which of the following?

- A. Original hardware configuration
- B. Service manual
- C. Service tag
- D. Model number

Correct Answer: C

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 73

A new server must be configured to provide fault tolerant connectivity to the DMZ and the backend database. Which of the following is the MOST cost effective way to accomplish this?

- A. A total of six NICs: two pairs of teamed NICs for the DMZ and two NICs for the backend database.
- B. One NIC can be configured with VLANs for the DMZ and backend database.
- C. A total of eight NICs to be teamed with the appropriate VLANs configured for the DMZ and backend database.
- D. A total of four NICs: two NICs for the DMZ and two NICs for the backend database.

Correct Answer: D

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 74

Which of the following is TRUE about a caching name server? (Select TWO).

- A. They must have a trusted SSL certificate
- B. They can be authoritative
- C. They cannot be load-balanced
- D. They can be recursive
- E. They require DHCP

Correct Answer: BD

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 75

After installing a new hard drive into a server for the purpose of mirroring the data from the first drive to the second one, the server displays an "operating system not found" error. Which of the following should the technician do to boot the server from the original drive?

- A. Replace the second drive with a hot swappable one.
- B. Swap the drive boot order in the BIOS.
- C. Make the second disk active under the disk management tool.
- D. Rebuild the array using the hardware RAID tool at boot.

Correct Answer: B

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 76

Which of the following **MUST** be done when imaging a Windows Server that will be used as a template?

- A. Remove software
- B. Run Windows Updates
- C. Update drivers
- D. Sysprep

Correct Answer: D

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 77

A technician works for a company that has recently been affected by a virus. The virus entered the network by using port 6000. Port 6000 is used by an application located on a server. The technician has been asked to block this port on all servers and computers except for the one server which uses this port. Which of the following should the technician do?

- A. Update the antivirus application
- B. Install critical update security patches
- C. Adjust the software firewall settings
- D. Replace the current antivirus program

Correct Answer: C

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 78

Which of the following types of UPS would be used with equipment that is very sensitive to power fluctuations?

- A. Offline / Standby
- B. Line interactive
- C. Rackmount
- D. Online / Double Conversion

Correct Answer: D

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 79

A customer has purchased a triple channel memory kit containing three DDR3 RAM modules. The server the RAM is intended for only has a dual channel capable motherboard. Which of the following is the **BEST** action to perform?

- A. Install only two modules as the RAM has to be installed in pairs
- B. Purchase one additional RAM module to make it even. Three modules will function as triple channel and the additional module will be for parity

- C. Purchase dual channel memory. The triple channel memory may be incompatible with the server motherboard
- D. Install the RAM. Two modules will perform as dual channel and one as single channel

Correct Answer: C

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 80

Which of the following processor technologies is typically supported on current enterprise class UNIX servers but not enterprise class Windows Servers?

- A. RISC
- B. CISC
- C. Multi-threading
- D. 64-bit

Correct Answer: A

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 81

Which of the following uses a switching fabric to connect storage LUNs to hosts?

- A. Fiber Channel
- B. SCSI
- C. SATA
- D. Ethernet

Correct Answer: A

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 82

Which of the following technologies would allow the administrator to restore to a pre-patched state the FASTEST?

- A. Cloning
- B. Bare Metal Restore
- C. OS Restore
- D. Snapshot

Correct Answer: D

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 83

An administrator has replaced a faulty drive in a server using software RAID. The drive needs to now be partitioned before being added back to the array. Which of the following tools should the administrator use to accomplish this?

- A. chkdsk
- B. mount
- C. fsck
- D. diskpart

Correct Answer: D

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 84

Which of the following should be done FIRST before installing NOS patches in a production environment?

- A. Install patches on non critical servers
- B. Install patches in test environment
- C. Install patches on a PC
- D. Install patches on critical servers

Correct Answer: B

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 85

A technician supports users in a client/server environment. A user suddenly cannot access any network resources. The user tried to logon to a known working computer but was unsuccessful. Which of the following should the technician check FIRST?

- A. Check if the user account is locked
- B. Check group policy
- C. Check the drive for fragmentation
- D. Check NTFS permissions

Correct Answer: A

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 86

Which of the following are storage technologies that can be hot swappable? (Select TWO).

- A. SCSI

- B. SAS
- C. ATA
- D. IDE
- E. CMOS

Correct Answer: AB

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 87

A technician notices the storage space available on a data server is rapidly decreasing. A few users seem to be storing considerably more data than the other users. Which of the following should the technician implement to give all users the same amount of available storage space?

- A. Disk quotas
- B. Group memberships
- C. Logon scripts
- D. Shadow volumes

Correct Answer: A

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 88

A user is receiving an error about not having enough virtual memory. A technician wants to manually set the amount of available virtual memory for the computer. At a MINIMUM, the technician should set the virtual memory to be which of the following?

- A. 0.5 times the amount of physical memory
- B. 1.5 times the amount of physical memory
- C. 2 times the amount of physical memory
- D. Equal to the amount of physical memory

Correct Answer: B

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 89

A technician with a Windows server would like to use Windows Software Update Services (WSUS) to deploy patches. Which of the following MUST the technician assign to the server to install WSUS?

- A. DHCP
- B. IMAP
- C. DNS
- D. IIS

Correct Answer: D
Section: Configuration 18%
Explanation

Explanation/Reference:
Explanation:

QUESTION 90

A company backs up their data using daily, weekly, and monthly tape backups. The weekly backups are also known as which of the following?

- A. Son
- B. Father
- C. Grandfather
- D. Great-grandfather

Correct Answer: B
Section: Configuration 18%
Explanation

Explanation/Reference:
Explanation:

QUESTION 91

A technician at a small business goes into the server room to perform maintenance on a server and notices it is very hot and audible alarms are going off. The technician is unsure of how to remedy the situation. Which of the following should the technician do?

- A. Turn off all the equipment in the server closet
- B. Install a fan in the server closet
- C. Turn off the power to the server closet
- D. Follow escalation procedures for emergencies

Correct Answer: D
Section: Configuration 18%
Explanation

Explanation/Reference:
Explanation:

QUESTION 92

The warranty expiration date of each server should be recorded in which of the following documents?

- A. Asset management
- B. Network diagram
- C. Server baseline
- D. List of vendors

Correct Answer: A
Section: Configuration 18%
Explanation

Explanation/Reference:
Explanation:

QUESTION 93

Which of the following accurately describes the meaning of redundant cooling?

- A. The source of cooling to a RAID system
- B. The cooling system in a redundant power supply
- C. A cooling system that can be installed in case of failure
- D. A second cooling system in case of a failure

Correct Answer: D

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 94

A server in a manufacturing environment needs to receive input from multiple measurement devices on the production line. Which of the following would be needed on the server?

- A. HBA card
- B. SCSI card
- C. Serial card
- D. Video card

Correct Answer: C

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 95

An administrator is working on a rack mount server with all newly installed equipment. The uninterruptible power supply (UPS) in the rack starts beeping loudly. Which of the following is the FIRST troubleshooting step that should be taken?

- A. Ensure that the power cable for the UPS is plugged in.
- B. Ensure the battery in the UPS is still good.
- C. Check the smart cable connecting the UPS to the server.
- D. Reset the UPS to determine if the problem persists.

Correct Answer: A

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 96

An administrator has just installed a new NIC into the server. The system POSTs fine and the NIC is recognized by the OS, but it does not receive an IP address. Which of the following is the MOST likely cause of this?

- A. The NIC is not on the HCL.
- B. The driver is incorrect on the server.
- C. The patch cable has not been seated properly.

D. The NIC is not seated properly.

Correct Answer: C

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 97

A company has a policy that states that all servers will be fully backed up on the weekend. Additionally, all changed items will be backed up each night. In the event of a server failure, the administrator wants to be able to fully recover the system using two restore jobs. Which of the following backup levels should be used nightly?

- A. Incremental
- B. Normal
- C. Differential
- D. Full

Correct Answer: C

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 98

An administrator is planning an upgrade of a major software package on an application server. The software has been identified, the project approved and the upgrade purchased. Which of the following steps should the administrator take NEXT?

- A. Create a test environment for the new version.
- B. Determine system requirements for the upgrade.
- C. Request bids from other competing vendors in the product space.
- D. Document the upgrade.

Correct Answer: A

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 99

An administrator adds a new SATA hard drive into a functional server and attempts to boot the server. The server will no longer boot into the operating system. The administrator checks all the connections and reboots the server. The server still will not load the operating system. Which of the following is the MOST probable cause?

- A. The BIOS is set with the wrong boot order.
- B. The jumpers have not been set on the hard drive.
- C. The hard drive is not compatible with the system board.
- D. The boot.ini file needs to be modified.

Correct Answer: A

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 100

An administrator gets a call that multiple users do not have network access to the company server that they have been using for five years. Users can access the other servers and computers in the building and check their home email accounts. The administrator tests the server's Ethernet cable, verifies it works, and plugs it back into the NIC only to receive no status lights. Which of the following BEST indicates the problem?

- A. The DNS server is down.
- B. The NIC driver on the server is malfunctioning.
- C. The DHCP server is down.
- D. The server's NIC is malfunctioning.

Correct Answer: D

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 101

A KVM system may connect which of the following? (Select THREE).

- A. PS/2 mouse
- B. USB mouse
- C. SVGA display
- D. NIC
- E. USB memory stick
- F. HBA card

Correct Answer: ABC

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 102

Which of the following is the maximum transmission speed for iSCSI?

- A. 1Gbps
- B. 2Gbps Full-Duplex
- C. Equal to the speed of the link
- D. 100Mbps

Correct Answer: C

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 103

An administrator is receiving too many alerts for processor utilization on a server. Which of the following should the administrator perform?

- A. Add more cache.
- B. Configure RAID 5.
- C. Install an additional NIC for teaming.
- D. Adjust SNMP thresholds.

Correct Answer: D

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 104

Which of the following protocols define the rules and processes used to transmit and receive block storage applications over TCP/IP?

- A. iSCSI
- B. VoIP
- C. Distributed Applications over IP
- D. HTTPS

Correct Answer: A

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 105

An administrator is having problems with a server's built-in I/O devices such as keyboard and USB ports. Which of the following is the BEST solution to resolve the problem?

- A. Upgrade to the latest security patch
- B. Reinstall the operating system
- C. Update the faulty equipment drivers
- D. Upgrade to a new service pack

Correct Answer: C

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 106

A server consists of two 72GB SCSI drives and four 146GB SCSI drives. All drives are attached to a RAID controller. The system's administrator has decided to mirror two drives for the operating system. Which of the following is the maximum space the administrator will have remaining to use for data when using RAID 0?

- A. 292GB
- B. 438GB

- C. 584GB
- D. 728GB

Correct Answer: C

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 107

An administrator is in charge of a server that houses various applications. Which of the following BEST explains this server type?

- A. Dedicated Application Server
- B. File Server
- C. Shared Application Server
- D. Peer-to-Peer Application Server

Correct Answer: C

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 108

Which of the following server types performs the same function as the LMHOSTS file?

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

Correct Answer: C

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 109

An administrator is required to maintain space for 750GB of user data. Which of the following is the BEST option available to the administrator?

- A. Create a RAID 5 array using five 200GB disks.
- B. Create a JBOD using four 200GB disks.
- C. Create a RAID 1 array using six 200GB disks.
- D. Create a RAID 5 array using three 200GB disks.

Correct Answer: A

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 110

A company needs to implement an offsite backup method that is replicated and needs to guarantee that the data cannot be changed once it is replicated. Which of the following would meet the company's needs?

- A. SAN
- B. WORM
- C. NAS
- D. CD-RW

Correct Answer: B

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 111

Users can only access external websites. Which of the following is the MOST likely cause of this problem?

- A. The incorrect gateway address is being provided to the workstation.
- B. DHCP is not providing workstations with the proper subnet mask.
- C. The DNS cache was cleared.
- D. The internal zone was deleted.

Correct Answer: D

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 112

A company has just implemented a disaster recovery plan in which critical business must be restored in a four hour window. Which of the following methods should be used to backup the servers?

- A. Incremental backup
- B. Data only backups
- C. SAN replication
- D. Full backup

Correct Answer: C

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 113

Which of the following is the MOST important concern when deciding on the servers locations?

- A. Form factor
- B. Inadequate air flow
- C. Too high from ground level

D. Difficulty of physical access

Correct Answer: B

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 114

Which of the following technologies allows a single physical processor to do the work of multiple processors?

- A. Symmetric multi-processing
- B. Multicore
- C. 64-bit processing
- D. Hyper-V

Correct Answer: B

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 115

Which of the following ensures that air is passed through a server chassis correctly?

- A. U-size templates
- B. Phase changers
- C. Baffles
- D. Molex connectors

Correct Answer: C

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 116

Which of the following optical devices by default has the GREATEST storage capacity?

- A. DVD
- B. DVD-R
- C. Blu-Ray
- D. Flash

Correct Answer: C

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 117

An administrator recently installed a new array controller into a server. When the server is running POST the

controller does not appear as present. Which of the following could be the reason for this?

- A. The server BIOS firmware is out-of-date.
- B. The server does not have the correct drivers.
- C. The server hard drives have not begun to spin.
- D. The server has too little memory installed.

Correct Answer: A

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 118

A Windows server has rebooted by itself several times. There are several functioning non- Windows servers in the same rack that are connected to the same uninterruptible power supply (UPS). Which of the following is the MOST likely cause of the reboots?

- A. The UPS is malfunctioning.
- B. The user traffic to the server is too high.
- C. A BSOD is occurring.
- D. The non-Windows servers cannot be located on the same UPS as the Windows server.

Correct Answer: C

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 119

The company has two thousand servers located around the globe. Which of the following is the BEST method of patch management and deployment?

- A. Set all servers to automatically download patches from the manufacturer's website.
- B. Install an internal patch management system and deploy from the system.
- C. Install the patches on each server from a deployment disk.
- D. RDP into each server, manually download and install the patches.

Correct Answer: B

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 120

Which of the following is the MOST important troubleshooting step?

- A. Test the theory.
- B. Perform a root cause analysis.
- C. Establish a plan of action.
- D. Make one change at a time.

Correct Answer: D

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

Explanation:

ExamB

QUESTION 1

A technician would like to ensure that when users connect to a web server in a server farm, they connect to the server with the lowest CPU utilization. Which of the following technologies would accomplish this?

- A. Load balancing
- B. High availability
- C. Virtual machine
- D. Reverse proxy

Correct Answer: A

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 2

Changing the boot order of devices can be configured from which of the following?

- A. DIP switches
- B. BIOS
- C. Chipset
- D. Control Panel

Correct Answer: B

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 3

Which of the following is an advantage of using non-ECC memory over ECC memory?

- A. ECC is faster than non-ECC
- B. Non-ECC is faster than ECC
- C. Non-ECC is more expensive than ECC
- D. Non-ECC checks for memory errors

Correct Answer: B

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 4

Before installing a new device, a technician checks to make sure the device is on the HCL. Which of the following is the advantage of having an HCL device?

- A. It is supported by other vendors
- B. Increases performance
- C. Decreases cost

D. Meets vendor standards

Correct Answer: D

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 5

A technician is setting up a network and wants to automatically assign IP addresses. Which of the following will need to be configured to automatically assign IP addresses?

- A. WINS
- B. DNS
- C. DHCP
- D. NTP

Correct Answer: C

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 6

A technician is building a Windows 2008 server and has installed a motherboard, processor, and power supply. Which of the following optical drives should the technician install?

- A. Flash Drive
- B. DVD-RW
- C. CD-ROM
- D. SSD

Correct Answer: B

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 7

When purchasing a UPS for a server room, which of the following are important factors to consider? (Select TWO).

- A. Network card configuration
- B. Remote access procedures
- C. Estimated runtime
- D. Maximum load
- E. Power cord length

Correct Answer: CD

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 8

A technician needs to deploy a new Internet facing web server and internal database server. The web server will use the database backend to retrieve shopping cart information. Which of the following configuration utilizes the LEAST resources?

- A. Both servers will be virtualized on the same host server. The web server will be configured with an Internet facing NIC connected to the host's hardware NIC and a backend NIC connected to a virtual switch. The database server NIC will be connected to the same virtual switch.
- B. The database server will be created on the existing virtual farm and configured with one physical NIC. The web server will be installed on new hardware and will utilize two physical NICs to separate backend traffic from frontend Internet communication.
- C. The web server will be created on the existing virtual farm and configured with two physical NICs, one NIC for backend and one for backend communication. The database server will be installed on new hardware to ensure maximum performance.
- D. Both servers will be virtualized on a pair of redundant host servers. Both the web server and the database server will share the same hardware resources. The web server will be configured with one NIC for both frontend and backend communication and the databases server will also have one NIC.

Correct Answer: A

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 9

A technician has fixed a reported issue with a heavily used software program and users have verified that the program is working correctly. Which of the following should the technician do NEXT?

- A. Document the process and update the baseline.
- B. Test the theory of probable cause and verify with the software vendor.
- C. Establish a plan of action to be included in the business impact analysis.
- D. Implement the software manufacturer workaround.

Correct Answer: A

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 10

A technician manages a server that contains sensitive data. The server currently has two hard drives, one hosting the operating system and other generic files and the second hosting sensitive data. The technician needs to implement a technology that would guard against data loss for only the sensitive data, while adding only one additional hard drive. Which of the following should the technician implement to avoid reformatting any drives?

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

Correct Answer: B
Section: Installation 17%
Explanation

Explanation/Reference:
Explanation:

QUESTION 11

When planning for redundant power sources in a server deployment, which of the following should be purchased? (Select TWO).

- A. RAID controllers
- B. Multiple UPSs
- C. Redundant cooling
- D. Dual NICs
- E. Redundant power supplies

Correct Answer: BE
Section: Installation 17%
Explanation

Explanation/Reference:
Explanation:

QUESTION 12

Which of the following is an advantage of RAID 0?

- A. Mirrors data
- B. Redundancy
- C. Speed
- D. Automatic hot spare

Correct Answer: C
Section: Installation 17%
Explanation

Explanation/Reference:
Explanation:

QUESTION 13

A technician is installing a server with sixteen 1 TB drives. They want the benefit of both speed and redundancy. Which of the following RAID configurations should be used?

- A. RAID 0
- B. RAID 1
- C. RAID 3
- D. RAID 50

Correct Answer: D
Section: Installation 17%
Explanation

Explanation/Reference:
Explanation:

QUESTION 14

When a technician left the server room Monday evening everything was operational. When the technician returned Tuesday morning, the front bezel was off of the mail server, and it had been powered off. Which of the following should be checked FIRST?

- A. TCP/IP settings
- B. RAID configuration
- C. Whether the power cord is attached
- D. Server room access log

Correct Answer: D

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 15

Which of the following server roles allows a server to translate fully qualified domain names into IP addresses?

- A. Directory services server
- B. NTP server
- C. DHCP server
- D. DNS server

Correct Answer: D

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 16

A technician has just finished installing a new server into a server rack. Which of the following should the technician do NEXT to complete the installation documentation?

- A. Update drivers, update operating system (e.g. Windows Update), create server baseline, create a new network diagram, update change management procedures
- B. Create server baseline, label server, store vendor-specific documentation, update network diagrams, update asset tracking information
- C. Create server baseline, assign server roles, install tape drive, delete network diagram, label server, update operating system (e.g. Windows Update)
- D. Install applications on server, install external drives, toss vendor-specific documentation, update network diagrams

Correct Answer: B

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 17

A small business has had unauthorized people enter their server room and damage their servers. Which of the following locks for the door would BEST prevent unauthorized people from accessing the server room?

- A. Biometric

- B. Keypad
- C. Barcode
- D. Key lock

Correct Answer: A

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 18

A technician is troubleshooting a lack of Internet connectivity affecting their entire office. The technician suspects the issue is with their Internet Service Provider failing to provide service. Which of the following command line tools should the technician use to BEST test this theory?

- A. tracert
- B. ipconfig
- C. netstat
- D. nslookup

Correct Answer: A

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 19

An administrator needs to install a 2U server into a rack. Which of the following shows how much space, in height, needs to be available for the server to fit in the rack?

- A. 1.75 inches (4.45 cm)
- B. 2.5 inches (6.35 cm)
- C. 3.5 inches (8.89 cm)
- D. 4.25 inches (10.8 cm)

Correct Answer: C

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 20

An administrator needs to connect servers to the Fiber Channel SAN. Which of the following should the administrator install in the servers to allow this connection?

- A. Riser
- B. HBA
- C. SCSI card
- D. SAS card

Correct Answer: B

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 21

An administrator creates a new directory then shares it on the Windows server. The administrator sets the permissions for everyone to "Modify" but users report they are unable to create or delete documents. Which of the following is the cause?

- A. The administrator forgot to change the share permissions
- B. The users were not part of the "Everyone" built in group
- C. The administrator shared the files but not the folder
- D. "Modify" only allows users to change existing documents

Correct Answer: A

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 22

An administrator needs a network that can support up to 800 hosts on the same subnet. Which of the following is the MINIMUM subnet mask that should be used?

- A. 255.0.0.0
- B. 255.255.0.0
- C. 255.255.252.0
- D. 255.255.255.0

Correct Answer: C

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 23

In a system with high CPU utilization, which of the following will help the MOST to minimize the performance impact of parity overhead in RAID 5?

- A. Use all SAS Drives
- B. Triple Channel RAM
- C. Use all Solid State Drives
- D. Hardware RAID Controller

Correct Answer: D

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 24

An administrator has removed a SATA hard drive from a failed server. Which of the following adapters would

MOST likely be used by the administrator to transfer files from the drive to a laptop?

- A. SATA to SCSI
- B. SATA to HBA
- C. SATA to USB
- D. SATA to SAS

Correct Answer: C

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 25

Which of the following can transmit block level storage over Ethernet?

- A. SAS
- B. iSCSI
- C. USB
- D. SATA

Correct Answer: B

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 26

An administrator has experienced minor electrical shocks when touching metal surfaces in the datacenter. Which of the following is the MOST likely cause?

- A. The UPS is using 220-240V rather than 110-120V
- B. The humidity is too low
- C. The temperature is too low
- D. The datacenter is experiencing EMI

Correct Answer: B

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 27

A datacenter manager would like to ensure that all fire suppression in the datacenter is safe for the equipment in the room. Which of the following classifications should be listed on the fire suppression system?

- A. A
- B. B
- C. C
- D. D

Correct Answer: C

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 28

A server administrator implements a solution that should fix an issue. Which of the following should the administrator do NEXT in the troubleshooting process?

- A. Notify users impacted by the problem
- B. Verify full system functionality
- C. Document the actions and outcomes
- D. Identify the scope of the problem

Correct Answer: B

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 29

An administrator is troubleshooting a power supply that is believed to have failed. Which of the following tools will BEST help test the power supply?

- A. ESD Equipment
- B. Multimeter
- C. POST Card
- D. Toner Probe

Correct Answer: B

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 30

An administrator is testing setting the IP address on a Linux server from command line. Which of the following commands is used to set the default gateway for the server?

- A. route
- B. traceroute
- C. ipconfig
- D. nmap

Correct Answer: A

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 31

Which of the following server types allows resolution of domain names to IP addresses?

- A. DHCP server
- B. DNS server
- C. Web server
- D. VLAN server

Correct Answer: B
Section: Installation 17%
Explanation

Explanation/Reference:
Explanation:

QUESTION 32

Which of the following backup media would be MOST appropriate for router configuration files?

- A. Optical
- B. Tape
- C. Flash drive
- D. Hard disk

Correct Answer: C
Section: Installation 17%
Explanation

Explanation/Reference:
Explanation:

QUESTION 33

A user reports that they are unable to print to a remote printer. Which of the following should the technician check FIRST?

- A. Printer driver
- B. Protocol stack
- C. Network connectivity
- D. Correct patch application

Correct Answer: C
Section: Installation 17%
Explanation

Explanation/Reference:
Explanation:

QUESTION 34

A user reports that they are unable to reach a particular website. The user had no issues reaching the site earlier in the day. Which of the following is the MOST likely cause of the lack of access?

- A. The VLAN is misconfigured
- B. The user has an improperly configured NIC
- C. The DHCP server is down
- D. The DNS server is down

Correct Answer: D
Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 35

A hypervisor is used to do which of the following?

- A. Create server baselines
- B. Manage virtual machines
- C. Monitor network traffic
- D. Manage disk space

Correct Answer: B

Section: Installation 17%

Explanation

Explanation/Reference:

Explanation:

QUESTION 36

A technician needs to build a server with at least 16GB of RAM and Windows 2008R2 as the operating system. Which of the following processors should the technician choose?

- A. 32-bit AMD processor
- B. 32-bit Intel P4 processor
- C. 64-bit Intel processor
- D. 64-bit ARM processor

Correct Answer: C

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 37

A company wants to expand their storage capacity in a flexible manner over their existing network. Which of the following storage solutions would they consider?

- A. External RAID array on an existing server
- B. Network Attached Storage
- C. Storage Area Network
- D. Tape library

Correct Answer: B

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 38

A systems administrator has a high performance server with a file share full of data that has not been used in a long time, but is still important and might be used in the future. Which of the following should they do to reclaim the space off the high performance server?

- A. Audit the data
- B. Delete the data
- C. Back up the data
- D. Archive the data

Correct Answer: D

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 39

A technician has been given a task to create a separate location for disaster recovery. The company has very high uptime requirements and will lose money if there is any downtime. Which of the following deployments should the technician consider?

- A. Hot site
- B. Warm site
- C. Fault tolerant site
- D. Cold site

Correct Answer: A

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 40

Which of the following are attributes of a hardware-based RAID controller? (Select THREE).

- A. Backs up data
- B. Less expensive than software RAID
- C. Vendor neutral implementation
- D. Accessible through a BIOS interface
- E. More host CPU usage than software RAID
- F. Accessible through a system utility after the OS has been loaded
- G. May retain data in the event of a power outage

Correct Answer: DFG

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 41

Which of the following can help prevent data loss on a RAID array in the event of a power failure?

- A. Using a RAID mirror
- B. A battery backed write cache
- C. Using RAID with parity

D. A battery backed read cache

Correct Answer: B

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 42

Which of the following virtualization technologies can save time during provisioning?

- A. Cloning
- B. Snapshots
- C. Clustering
- D. Virtual memory

Correct Answer: A

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 43

A Windows server's backup jobs keep failing with an error message stating that the source drive is not available. After reviewing the logs, which of the following should a technician do FIRST to troubleshoot this issue?

- A. Verify the backup media has enough storage space for the backup job
- B. Verify the volume shadow copy service is running
- C. Close all terminal services sessions on the server
- D. Reboot the Windows server and re-run the backup job

Correct Answer: B

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 44

Which of the following should a technician use to remove dust from the inside of a server case?

- A. Compressed air
- B. Vacuum
- C. Soap and water
- D. Disinfecting wipes

Correct Answer: A

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 45

Which of the following connectors identifies that a motherboard has onboard video capabilities? (Select TWO).

- A. DB-15
- B. DB-9
- C. DB-25
- D. RJ-45
- E. DVI

Correct Answer: AE

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 46

A technician has to populate a server motherboard with memory. The board has a memory bus speed of 800 MHz. Which of the following memory types should be used?

- A. DDR3
- B. SDRAM
- C. DDR
- D. DDR2

Correct Answer: D

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 47

A server technician has been attempting to install an operating system on the company test server for several days. The technician has experienced error messages at several points of the installation and the system has frozen during various parts of the boot process. The technician has replaced the power supply, graphics card and installation disk with known good components. Which of the following could be causing these issues? (Select TWO).

- A. Storage driver not loaded
- B. Fragmented hard drive
- C. Damaged or faulty NIC chipset
- D. Damaged or faulty system board
- E. Memory incompatible with the processor
- F. Missing voltage regulator

Correct Answer: DE

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 48

A Windows user is trying to get to a shared folder on a server but is receiving an error message that multiple

connections to the same resource are not allowed. Which of the following tools can the technician use from the user's workstation to get the user reconnected as quickly as possible?

- A. nbtstat with the /reload parameter
- B. nbtstat with the /resolved parameter
- C. net use with the /delete parameter
- D. net use with the /persistent parameter

Correct Answer: C

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 49

Which of the following BEST describes a Blade server?

- A. Provides higher levels of physical redundancy than a typical server
- B. Provides better rack space utilization than a typical server
- C. Is 1.75 inches in height to fit properly in a rack
- D. Uses an unshared backplane

Correct Answer: B

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 50

Which of the following is MOST likely to occur if the temperature in the server room is cooled too quickly after a power outage?

- A. Server forms condensation
- B. Server will not POST
- C. Server's services will not start
- D. Server response times are slow due to temperature change

Correct Answer: A

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 51

An administrator needs to explain to management why updates are needed for the server. Which of the following is the BEST explanation to give?

- A. The updates guarantee that the server will work smoothly.
- B. The updates show management that IT is working diligently.
- C. The updates address driver and security issues.
- D. The updates are needed to allow the system monitoring agents to connect to the system.

Correct Answer: C
Section: Configuration 18%
Explanation

Explanation/Reference:
Explanation:

QUESTION 52

A file server is setup in a RAID 5 configuration. Recently there was a power failure in the server room while a user was transferring a document from one drive on the server to another drive on the same server. Unfortunately their UPS was in repair during this outage, and the file is now corrupt. Which of the following can be done to prevent this situation in the future?

- A. Increase the memory on the server.
- B. Reconfigure drives to a RAID 0+1.
- C. Install a battery backed write cache module in the system.
- D. Instruct the user to save to the local system instead of to the server.

Correct Answer: C
Section: Configuration 18%
Explanation

Explanation/Reference:
Explanation:

QUESTION 53

An administrator has a single 14U rack. The administrator needs to install fifteen servers; rack- mounted redundant uninterruptible power supplies (UPSs), a network switch, and a KVM. Which of the following server types would be BEST suited for this scenario?

- A. Blade servers
- B. Rackmount servers
- C. Tower servers
- D. Web servers

Correct Answer: A
Section: Configuration 18%
Explanation

Explanation/Reference:
Explanation:

QUESTION 54

An administrator is getting reports that a file server is responding slowly. Which of the following steps should the administrator take FIRST?

- A. Remove unnecessary files on the server to free up hard disk space.
- B. Defragment the server's hard disks.
- C. Compare monitoring results with the server baseline.
- D. Add additional memory to reduce paging.

Correct Answer: C
Section: Configuration 18%
Explanation

Explanation/Reference:

Explanation:

QUESTION 55

While troubleshooting a video problem on an application server, the system administrator has determined that the video firmware should be updated. Which of the following sources should be used to locate an appropriate update for this hardware? (Select TWO).

- A. Third-party manufacturer
- B. Video chipset manufacturer
- C. Server manufacturer
- D. Operating system manufacturer
- E. Shareware file sharing site

Correct Answer: BC

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 56

While discussing the specifications of replacement servers, the administrator's manager asks what can be done to avoid the down time associated with failed hard drives on the servers. Which of the following should the administrator recommend?

- A. Mirror all disks to avoid replacement
- B. Purchase servers with hot swappable drives configured in a RAID
- C. Purchase servers with duplicate drives configured as RAID 0
- D. Perform timely backups

Correct Answer: B

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 57

When running a Windows server, which option is used with the ping command to convert numerical addresses to host names?

- A. -r
- B. -a
- C. -v
- D. -n

Correct Answer: B

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 58

Which of the following connection types provides the BEST data bandwidth when installing thirteen external hard drives on a server?

- A. USB 2.0
- B. SAS
- C. SATA
- D. Ultra SCSI 160

Correct Answer: B

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 59

Which of the following must be available prior to performing the FIRST server backup?

- A. The most recent service pack
- B. The most recent backup documentation plan
- C. The most recent backup utility
- D. The most recent hotfixes

Correct Answer: B

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 60

An administrator is configuring RAID 1 in a server. The administrator has been given two matching 80GB SATA-2 hard drives, two SATA-2 cables, and a SATA-2 RAID adapter. How should the administrator BEST configure these drives?

- A. Install one drive on the first channel and install the second drive on the second channel.
- B. Install one drive on the first cable, on the first channel. Install the second drive on the second cable, on the second channel.
- C. Install both drives on the same channel. Cable both drives as the primary master on the same cable.
- D. Install both drives on the same channel. On the same cable one drive should be set as primary slave and the other drive as the primary master.

Correct Answer: B

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 61

Recently traffic to the company web server has more than doubled, resulting in slower response times from the server. An administrator has decided to add a second, identical 10/100/1000 NIC to the server. The server is presently connected to a 10/100/1000 switch, with four open ports on the switch. Which of the following is the BEST solution to speed up web traffic?

- A. Free up more ports on the switch
- B. Enable server load balancing

- C. Move the second network adapter to a new subnet
- D. Enable network adapter teaming

Correct Answer: D

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 62

A web server has to be available all the time. It has its own redundant power source and uninterruptible power supply (UPS). Which of the following actions will provide additional fault tolerance?

- A. Add a second DVD drive
- B. Add an extended runtime module (ERM) to the UPS
- C. Configure automated system recovery (ASR)
- D. Add a second NIC

Correct Answer: D

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 63

Which of the following bus types requires termination using a separate device?

- A. SATA
- B. CD-ROM drive
- C. USB
- D. SCSI

Correct Answer: D

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 64

Which of the following devices is susceptible to ESD?

- A. Certified power cable
- B. Memory modules
- C. CAT5 cable
- D. USB flash drives

Correct Answer: B

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

QUESTION 65

Which of the following is the BEST to use when securing fiber cables and preventing damage?

- A. Zip ties
- B. Twist ties
- C. Black electrical tape
- D. Velcro cable straps

Correct Answer: D

Section: Configuration 18%

Explanation

Explanation/Reference:

Explanation:

Topic 2, Volume B

QUESTION 66

A technician is replacing memory in a server whose motherboard supports PC100 or PC133 memory. This type of memory is also known as which of the following?

- A. SDRAM
- B. RAMBUS
- C. DDR2
- D. DDR3

Correct Answer: A

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 67

A technician is replacing memory in a server whose motherboard supports PC2100 memory. This type of memory is also known as which of the following?

- A. DDR2
- B. DDR
- C. SDRAM
- D. DDR3

Correct Answer: B

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 68

A technician is replacing memory in a server whose motherboard supports PC3-8500 memory. This type of memory is also known as which of the following?

- A. SDRAM
- B. DDR

- C. DDR3
- D. DDR2

Correct Answer: C

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 69

A technician needs to replace the processor on a server's motherboard. The motherboard supports Socket 478 processors. Which of the following processors would be compatible with this motherboard?

- A. AMD Athlon
- B. Pentium III
- C. Atom
- D. Pentium 4

Correct Answer: D

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 70

Which of the following should be included in the network diagram?

- A. Server room access log
- B. Server types
- C. OEM contact information
- D. Temperature reading

Correct Answer: B

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 71

When creating a list of vendors, which of the following information should be included?

- A. Vendor customer satisfaction ratings
- B. OEM contact information
- C. Time vendor has been in business
- D. Annual spending budget with the vendor

Correct Answer: B

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 72

A restaurant is considering placing a server to run their restaurant software in the kitchen of the restaurant. Which of the following environmental considerations is of MOST concern?

- A. Temperature
- B. Power
- C. Humidity
- D. Dust

Correct Answer: A

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 73

An administrator recently installed a known good RAID adapter. During boot up, the administrator is able to access the RAID configuration utility; however, when the administrator checks for the card in the operating system, it does not show up. Which of the following should the administrator do FIRST?

- A. Move the RAID adapter to another slot.
- B. Perform a baseline of the system.
- C. Contact the reseller of the adapter for a replacement card.
- D. Check the RAID adapter's manufacturer for the latest drivers.

Correct Answer: D

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 74

An administrator receives a call from an end user reporting that the application they are using keeps giving them an error on port 23. Which of the following is being used?

- A. SSH
- B. Remote Desktop Connection
- C. Telnet
- D. VPN

Correct Answer: C

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 75

Which of the following describes the difference between SATA and PATA?

- A. SATA operates on a single channel.
- B. PATA devices have three channels.

- C. PATA devices have their own channel whereas SATA does not.
- D. SATA devices have their own channel whereas PATA does not.

Correct Answer: D

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 76

An administrator installs new IDE drives into the company server. Upon starting the machine, the BIOS does not recognize any of the drives. Which of the following is the MOST likely cause of the problem?

- A. The jumpers are not set correctly on the drives.
- B. The power supply is not rated high enough to support the additional drives.
- C. The BIOS is not compatible with the drives.
- D. The drives are not powered on.

Correct Answer: A

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 77

An administrator needs to review the open ports on a host. Which of the following commands should they use?

- A. traceroute -d
- B. ping -t
- C. netstat -ano
- D. nbtstat -a

Correct Answer: C

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 78

An administrator wants to rackmount a new server. Power and network outlets are available and cooling in the room is adequate to support the additional server. The new server is identical to the other servers already installed. Which of the following items should the administrator FIRST verify before installing the server?

- A. HBA is compatible with the SAN fiber switch.
- B. Update the newly installed server with the latest KVM drivers.
- C. The UPS will continue to perform as expected with the additional load.
- D. Verify the server NIC is compatible with the NAS.

Correct Answer: C

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 79

Which of the following is a valid source for Windows operating system updates?

- A. SNA
- B. RIS
- C. RAS
- D. WSUS

Correct Answer: D

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 80

How many wire pairs are in a standard CAT6 cable?

- A. 3
- B. 4
- C. 6
- D. 8

Correct Answer: B

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 81

An administrator is required to maintain maximum redundancy for 1TB of accounting files. Which of the following is the BEST option available to the administrator?

- A. Create a RAID 5 array using eight 300GB disks.
- B. Create a RAID 10 array using six 300GB disks.
- C. Create a RAID 5 array using ten 300GB disks.
- D. Create a RAID 10 array using eight 300GB disks.

Correct Answer: D

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 82

Which of the following RAID configurations provides the BEST performance for database files while still providing redundancy?

- A. RAID 0
- B. RAID 1

- C. RAID 3
- D. RAID 5

Correct Answer: D

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 83

A company is looking to improve upon their current remote management capabilities. The company must ensure that access is removed from all systems when a user is terminated and that administrators can remotely manage a system's BIOS. Which of the following remote management systems would support both these requirements?

- A. Remote management card
- B. Terminal services
- C. Remote desktop
- D. LDAP enabled IP KVM

Correct Answer: D

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 84

A blade server has been configured to boot from SAN. After an HBA firmware upgrade the blade was rebooted and cannot find the operating system. Which of the following should the administrator do NEXT to troubleshoot the issue?

- A. Verify all HBA settings.
- B. Upgrade the blade firmware.
- C. Upgrade the OS level HBA drivers.
- D. Set the system to boot from the local disk.

Correct Answer: A

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 85

Which of the following storage solutions attaches to a server either through a fiber channel connection or is presented to the server via iSCSI?

- A. DAS
- B. NAS
- C. SAN
- D. WORM

Correct Answer: C

Section: Upgrading 12%
Explanation

Explanation/Reference:
Explanation:

QUESTION 86

Which of the following hardware components is necessary for a server to access data directly on a fiber channel based SAN?

- A. Gigabit NIC
- B. RAID controller card
- C. SATA controller card
- D. Host bus adapter

Correct Answer: D
Section: Upgrading 12%
Explanation

Explanation/Reference:
Explanation:

QUESTION 87

After successfully testing a probable cause to an issue, which of the following is the NEXT troubleshooting step?

- A. Implement the solution or escalate.
- B. Perform a root cause analysis.
- C. Establish a plan of action to resolve the problem.
- D. Verify full system functionality and if applicable implement preventative measures.

Correct Answer: C
Section: Upgrading 12%
Explanation

Explanation/Reference:
Explanation:

QUESTION 88

Which of the following technologies when implemented allows for the GREATEST fault tolerance for memory?

- A. RAID
- B. Registered memory
- C. ECC
- D. Memory pairing

Correct Answer: A
Section: Upgrading 12%
Explanation

Explanation/Reference:
Explanation:

QUESTION 89

Which of the following scenarios would dictate the use of a 64-bit processor instead of a 32-bit processor?

- A. Implementation of access control lists (ACLs)
- B. Implementation of more than two network cards
- C. Implementation of iSCSI attached storage
- D. Implementation of more than 4GB of RAM

Correct Answer: D

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 90

Which of the following components should be removed prior to troubleshooting any server hardware failure?

- A. Memory in RAID
- B. Hard drives
- C. Third party memory
- D. Airflow baffles

Correct Answer: C

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 91

The failure of which of the following components can cause a server to display a POST error message?

- A. Parallel HASP key
- B. DVD driver
- C. Memory
- D. Chassis LED

Correct Answer: C

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 92

Which of the following expansion cards should be installed in a server to allow the server to connect to a SAN via a fiber channel?

- A. SATA
- B. iSCSI
- C. SCSI
- D. HBA

Correct Answer: D

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 93

Before installing an operating system on a server, which of the following is the BEST resource for an administrator to review the compatibility of the OS with the video card?

- A. Server manual
- B. Manufacturer website
- C. IEEE standards
- D. HCL

Correct Answer: D

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 94

Which of the following server types will assign a unique address to the client's machines?

- A. WINS
- B. DHCP
- C. NTP
- D. DNS

Correct Answer: B

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 95

Which of the following RAID levels combines mirroring and striping?

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

Correct Answer: D

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 96

Which of the following storage technologies connects by TCP/IP and can slow down network traffic?

- A. SAN
- B. Optical jukebox
- C. NAS

D. Tape library

Correct Answer: C

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 97

Which of the following is best practice when disposing of used equipment?

- A. Donating to a non-profit group
- B. Use a local recycling company
- C. Send equipment back to manufacturer
- D. Following local laws

Correct Answer: D

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 98

Which of the following RAID levels provides the BEST read and write performance?

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

Correct Answer: A

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 99

Which of the following RAID levels provides exceptional redundancy and no write penalties?

- A. RAID 1
- B. RAID 3
- C. RAID 6
- D. RAID 10

Correct Answer: D

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 100

Which of the following statements could be true about a server overheating? (Select TWO).

- A. The processor is hitting 100% utilization.
- B. The server is having memory errors.
- C. The server fans have failed.
- D. The processors are of two different stepping levels.
- E. There is no thermal protection between the processor and the heat sink.

Correct Answer: CE

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 101

Which of the following server roles synchronizes time throughout the network?

- A. DNS
- B. NTP
- C. DHCP
- D. SMTP

Correct Answer: B

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 102

A new storage array must be configured for a database server. This array will store transaction logs that are always being written. Which of the following RAID solutions would provide fault tolerance and fast write operations without the use of parity?

- A. RAID 0
- B. RAID 3
- C. RAID 6
- D. RAID 10

Correct Answer: D

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 103

Memory utilization by the print spooler process is constantly climbing after users begin to print to a certain type of printer. Which of the following is the MOST likely cause of the problem?

- A. Corrupted print spooler software
- B. Memory leak in one of the print drivers
- C. The disk drive is out of free space
- D. Memory leak in the print spooler

Correct Answer: B
Section: Upgrading 12%
Explanation

Explanation/Reference:
Explanation:

QUESTION 104

Which of the following are features of server virtualization software? (Select TWO).

- A. Larger bandwidth utilization
- B. Increased application performance
- C. Reduce resource utilization
- D. Reduce TCO
- E. Rapid server provisioning

Correct Answer: DE
Section: Upgrading 12%
Explanation

Explanation/Reference:
Explanation:

QUESTION 105

Memory was recently taken out of a fully functional production server before it was decommissioned and added to another server. Upon booting up the server with the additional memory the server emits a series of beeps and fails to POST. Which of the following is MOST likely the problem?

- A. Incompatible memory
- B. Memory failure
- C. The memory is not configured
- D. The server BIOS was not configured to accept the additional memory

Correct Answer: A
Section: Upgrading 12%
Explanation

Explanation/Reference:
Explanation:

QUESTION 106

Which of the following describes the difference between hardware and software RAID technologies?

- A. Software RAID offers more storage possibilities than hardware RAID.
- B. Hardware RAID performs faster than software RAID.
- C. Hardware RAID is less expensive than software RAID.
- D. Software RAID volumes are compatible with any OS and hardware RAID volumes are not.

Correct Answer: B
Section: Upgrading 12%
Explanation

Explanation/Reference:
Explanation:

QUESTION 107

Which of the following should an administrator utilize to deploy service packs to new servers?

- A. A RAS server
- B. A RIS server
- C. Patch management system
- D. PXE boot environment

Correct Answer: C

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 108

Which of the following is the BEST reason to implement a firewall on a server?

- A. To watch for bandwidth issues
- B. To protect the server from all traffic
- C. To block certain traffic by ports
- D. To monitor certain malicious traffic

Correct Answer: C

Section: Upgrading 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 109

Which of the following is the MOST important data retention consideration when creating a backup system?

- A. Utilizing disk-to-disk clustering and hot site replication
- B. If the GFS backup system will cover all potential data breaches
- C. The process to move the data backup to an offsite location
- D. The individual laws and legal requirements of the data

Correct Answer: D

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 110

Which of the following is the MOST important consideration before making a change to a server?

- A. Explore the ramification of the change before implementation.
- B. Determine the service level agreement in place before implementation.
- C. Review the equipment disposal procedures and policies before implementation.
- D. Notify all staff members of the planned system outage before implementation.

Correct Answer: A

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 111

The server administrator has just brought a new Windows server online. Permissions are set, but the server administrator cannot connect remotely. Which of the following is MOST likely the problem?

- A. WMI was not enabled.
- B. Server service was not enabled.
- C. RDP was not enabled.
- D. Workstation service was not enabled.

Correct Answer: C

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

Explanation:

ExamC

QUESTION 1

Which of the following is the MOST important consideration when purchasing a new server for a mission critical application?

- A. RAID 0 compliant
- B. Notifying all stakeholders of the server upgrade
- C. Service Level Agreement
- D. KVM access

Correct Answer: C

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 2

Which of the following is an advantage of hardware RAID over software RAID?

- A. Hardware RAID costs less than software RAID.
- B. Hardware RAID is built into the operating system's software.
- C. Hardware RAID has better performance than software RAID.
- D. Hardware RAID requires no configuration and software RAID does.

Correct Answer: C

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 3

After a server has been installed into a rack, an administrator must ensure which of the following?

- A. Warm air flow is permitted through the front bezel
- B. The system is labeled so that it can be identified
- C. Verify the change control process can be implemented
- D. Determine the correct power requirements

Correct Answer: B

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:



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QUESTION 4

During a routine maintenance visit to a client, an administrator noticed that the last full backup did not complete. Which of the following should the administrator do FIRST?

- A. Schedule and perform an incremental backup as soon as possible.
- B. Inspect backup report logs.
- C. Schedule and perform a full backup as soon as possible.
- D. Inspect alert notification settings.

Correct Answer: B

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 5

An administrator is adding memory to a server. Once the system boots up, the same amount of memory appears as before the upgrade. Which of the following is the MOST likely cause?

- A. The memory is not the correct CAS latency.
- B. The memory is not installed in the correct slot.
- C. The memory does not have the correct timing.
- D. The memory is not the correct speed.

Correct Answer: B

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 6

An administrator is installing Windows Server 2003 via CD on a new server with an SAS RAID array. When the administrator reaches the option to select the target installation drive, there are no drives listed. Which of the following is the FIRST thing the administrator should do?

- A. Restart the installation via WDS.
- B. Shut down the server and check that all RAID drives are connected properly.
- C. Restart the installation from CD and press F6 to install RAID drivers.
- D. Go into the BIOS and set all RAID drives to compatibility mode.

Correct Answer: C

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 7

Which of the following backup methodologies is MOST time efficient for backing up data?

- A. Incremental
- B. Snapshot

- C. Differential
- D. GFS

Correct Answer: A

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 8

An administrator has just finished physically replacing the system board in a Windows domain controller. Which of the following must be done before booting the server back into Windows?

- A. Update the time and date in the BIOS.
- B. Update the firmware on the SCSI controller.
- C. Update the firmware to the latest version.
- D. Configure IPMI on the new board.

Correct Answer: A

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 9

A server was recently updated with the latest antivirus definitions. Immediately after the update, the server begins to report 'file not found' errors for a mission critical application. Which of the following is the MOST likely reason for this?

- A. The update was done incorrectly and now the server needs to be restarted.
- B. The update has discovered viruses on the server and removed those virus files.
- C. The update requires a reboot for the files to process correctly.
- D. The update has quarantined files that are false positives.

Correct Answer: D

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 10

Which of the following are the BEST tools to test connectivity between two hosts? (Select TWO).

- A. netstat
- B. nslookup
- C. ipconfig
- D. traceroute
- E. pathping

Correct Answer: DE

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 11

An administrator is overseeing the backup process and tapes utilized by a former employee. Which of the following is the BEST way for the administrator to proceed?

- A. Utilize differential backups.
- B. Verify the tape drives are functional.
- C. Verify that the backups are functional.
- D. Utilize incremental backups.

Correct Answer: C

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 12

A staff member reports that they cannot access the shared folder on the network; however, other staff members are reporting that they can access the shared folder. Which of the following is the BEST way to identify the problem?

- A. The administrator should monitor all traffic between the staff member and the server.
- B. The administrator should reconfigure the RAID configuration to allow more space.
- C. The administrator should map a drive using the net use command.
- D. The administrator should allow the staff member to use a USB drive.

Correct Answer: C

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 13

An administrator needs to maintain 1TB of storage for mission critical application data. Fault tolerance and performance are the most important considerations. Cost is not a factor at all. Which of the following RAID configurations would be the BEST choice to meet the criteria for the storage array?

- A. RAID 6 with six 250GB hard drives
- B. RAID 10 with eight 250GB hard drives
- C. RAID 5 with five 250GB hard drives
- D. RAID 0 with eight 250GB hard drives

Correct Answer: B

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 14

Which of the following storage interface protocols has the FASTEST speeds?

- A. Ultra2 SCSI
- B. SATA
- C. Ultra320 SCSI
- D. SAS

Correct Answer: D

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 15

Which of the following is a benefit of application virtualization?

- A. The need for multiple licenses of any software is unnecessary.
- B. Interoperability of disparate programs is easily attained.
- C. Server loads are greatly reduced from lowered traffic.
- D. Applications are easily accessible from anywhere on the LAN.

Correct Answer: D

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 16

Which of the following is the MOST likely to cause a server power supply fan to fail but allows the power supply to still be functional?

- A. Dust
- B. Power Surge
- C. Excessive humidity
- D. High temperatures

Correct Answer: A

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 17

A server has lost communication to its drives located on a fiber channel SAN. An administrator notices that the indicator lights on both the HBA and the SAN switch are not lit. Which of the following are the MOST likely causes of the problem? (Select THREE).

- A. Failed HBA
- B. Failed switch port
- C. Faulty fiber cable
- D. Faulty driver
- E. Failed hard drives
- F. Faulty configuration

Correct Answer: ABC

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 18

A server has had a drive fail in its storage RAID set. The administrator swaps the drive with a replacement and the RAID set does not automatically start to rebuild the replaced drive. Which of the following utilities would MOST likely be used to initialize the rebuilding of the replacement drive?

- A. Net use
- B. Array management
- C. Fdisk
- D. Disk Management Plug-in

Correct Answer: B

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 19

An administrator installs a new network card in a properly functioning DC. During the Windows boot up process the DC bluescreens. Which of the following is the NEXT step?

- A. Press F8 and boot to Directory Services Restore Mode.
- B. Press F8 and boot to Last Known Good Configuration.
- C. Reboot the server again.
- D. Press F8 and boot to Safe Mode.

Correct Answer: B

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 20

The staff is not able to access a database server. The server has an 'Operating System not found' error and is set to boot from a fiber channel SAN. All other database servers are set to boot from the SAN and access the same switch and data as this database server. Which of the following is the MOST likely cause of the problem?

- A. The SAN is offline
- B. Fiber channel switch
- C. Multiple failed drives in the SAN
- D. HBA

Correct Answer: D

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 21

After a critical service failure occurs the server keeps rebooting every fifteen minutes not giving an administrator enough time to troubleshoot the failure. Which of the following does the administrator need to do to allow enough time to work on the system to troubleshoot the problem?

- A. Modify boot.ini file
- B. Disable automatic reboot on service
- C. Press F6 at boot up
- D. Clear cache

Correct Answer: B

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 22

After a server inspection, an administrator notices a single drive failure on a server configured with RAID 5. Which of the following is the NEXT step to start rebuilding the array?

- A. Reestablish the mirror array.
- B. Perform online volume expansion.
- C. Insert hot plug drive.
- D. Move data to another volume.

Correct Answer: C

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 23

A high availability solution must be designed for a single file server. Data must be replicated between the disks to ensure a failure of one disk does not bring down the server. Which of the following meets these requirements?

- A. RAID 1
- B. RAID 0
- C. Active/passive cluster
- D. Disk-to-disk

Correct Answer: A

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 24

A failure of the primary data center has occurred. A warm site is available for use. Which of the following should be done FIRST to bring the critical applications online?

- A. Run cabling and power to the warm site.
- B. Restore data to the equipment.
- C. Transfer all data tapes over to the warm site.
- D. Restore least critical applications online to test to make sure the site is functioning.

Correct Answer: B

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 25

An SNMP alert has been generated by a server in the main data center. The alert stated that the internal temperature of the server has exceeded the threshold. No other servers in the rack have experienced problems, and no other alerts have come from that server about any other events.

Which of the following is the cause of this issue?

- A. Rack cooling equipment failure
- B. Dust collection in the server
- C. Server processor failure
- D. Server power supply failure

Correct Answer: B

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 26

A company has recently switched ISPs and is being assigned a new block of public addresses. The public web and FTP servers must be re-addressed to support this change. After changing IP addresses and updating the DNS records many customers have reported that they are not able to access the web or FTP servers. Which of the following could have been done prior to making these changes to make it more transparent to users?

- A. Reduce the TTL on the DHCP records.
- B. Configure a primary DNS server for the PTR records.
- C. Reduce the TTL on the DNS records.
- D. Configure a caching only DNS server.

Correct Answer: C

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 27

A disk drive failed in a RAID 5 array. After replacing the disk drive, users are still reporting that access to the server is very slow. Which of the following BEST explains the problem?

- A. The array is rebuilding.
- B. The array must be reconfigured.
- C. The array is corrupt.

D. The disk drive is not compatible.

Correct Answer: A

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 28

All of the following are contained in a server baseline document EXCEPT:

- A. number of users.
- B. number of files.
- C. memory usage.
- D. average disk I/O.

Correct Answer: B

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 29

Which of the following is the minimum number of drives in an RAID 10 configuration?

- A. 2
- B. 3
- C. 4
- D. 6

Correct Answer: C

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 30

An administrator has a rack server that is 3.5 inches (8.9 cm) tall. Which of the following is the correct U size for this server?

- A. One
- B. Two
- C. Three
- D. Five

Correct Answer: B

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 31

An administrator has a rack server that is 1.75 inches (4.4 cm) tall. Which of the following is the correct U size for this server?

- A. One
- B. Two
- C. Three
- D. Five

Correct Answer: A

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 32

A client has a need to look at and add many image files but has no need to change them. Which of the following media types would BEST meet the client's needs?

- A. CD-RW
- B. Disk
- C. Flash
- D. WORM

Correct Answer: D

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 33

An administrator just installed a new RAID controller card into a server. The firmware is current for the controller card. When the server is powered up the administrator notices that the RAID controller card is not recognized during POST. Which of the following is the cause of the problem?

- A. The hard drives were not plugged into the server correctly.
- B. The controller driver is outdated and needs to be updated from the OEMs website.
- C. The firmware for the server is too old and does not support the new RAID controller card.
- D. The cable from the controller to the hard drive backplane is not connected.

Correct Answer: C

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 34

An administrator is building a server that will run a data warehousing application. The server was ordered with eight 300GB drives. The application requires a dedicated storage location for the OS and one for critical files. The critical file storage needs fast access but must provide high redundancy. The OS requires 100GB and the file requires 950GB. Which of the following configurations will BEST suit the data warehouse needs?

- A. OS: 3 Drives, RAID 1 with hot spare
Files: 5 Drives, RAID 5 with hot spare

- B. OS: 2 Drives, RAID 1
Files: 6 Drives, RAID 1
- C. OS: 2 Drives, RAID 0
Files: 6 Drives, RAID 5
- D. OS: 2 Drives, RAID 1
Files: 6 Drives, RAID 5 with hot spare

Correct Answer: D

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 35

An administrator has set up a company's intranet server. Users should be able to access it but no users are able to. The administrator verifies that the website is accessible by IP address. Which of the following should the administrator look at FIRST to resolve the issue?

- A. WINS server
- B. DNS server
- C. Lmhosts file
- D. DHCP cache

Correct Answer: B

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 36

A user requests access to a new file share. The administrator adds the user to the group with the appropriate access. The user is still unable to access the share. Which of the following actions should the administrator do to resolve the permissions issue?

- A. Request the user to logoff and log back on.
- B. Add the user as an administrator on their local machine.
- C. Add the user as an administrator on the server.
- D. Run an ipconfig /renew on the user's machine.

Correct Answer: A

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 37

An administrator is investigating an incident where an unauthorized user gained access to a server and modified HR files. The administrator has a tested theory as to how the user accomplished this. Which of the following actions should the administrator take NEXT?

- A. Perform a root cause analysis.
- B. Implement a change to the servers.
- C. Establish a plan of action to resolve the issue.

D. Question users prior to implementing the solution.

Correct Answer: C

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 38

An administrator is creating a business continuity plan. Which of the following would be done FIRST in order to develop this plan?

- A. Setup replication on all SANs
- B. Classify systems
- C. Locate an offsite facility for failover
- D. Create an architecture plan for all systems

Correct Answer: B

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 39

Due to slow backup response, an administrator installed a new driver for the SCSI card. After a server reboot the device is not working properly. Which of the following is the BEST course of action?

- A. Reboot the server and restore files using ASR.
- B. In Device Manager, locate the device, and click Roll Back Driver at the driver tab.
- C. Restore the driver from the previous backup tape.
- D. Go to Device Manager, locate the device, and click Restore Previous Driver at the driver tab.

Correct Answer: B

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 40

An administrator has purchased monitoring software that can be configured to alert administrators when hardware and applications are having issues. All devices are configured with SNMP, but the administrator wants to further secure the SNMP traffic. Which of the following settings would BEST provide additional monitoring security? (Select TWO).

- A. Setting up a custom community name
- B. Configuring the network to block traffic on port 161
- C. Configuring the Windows Firewall to block port 161
- D. Setting SNMP to read only on the devices
- E. Installing new MIBs

Correct Answer: AD

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 41

Which of the following is MOST important for an administrator to investigate prior to making a change on a server?

- A. Manufacturer's specifications
- B. Organizational impact
- C. Vendor lists
- D. Compatibility requirements

Correct Answer: B

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 42

Which of the following is designed to guarantee that once data is written it cannot be modified? (Select TWO).

- A. Flash
- B. DLT4 tapes
- C. CD-R
- D. SDLT tapes
- E. WORM

Correct Answer: CE

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 43

Which of the following RAID levels would provide fault tolerance while also providing high performance at a reduced cost?

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

Correct Answer: C

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 44

Which of the following is the FASTEST medium to present storage?

- A. Fiber channel
- B. CAT5
- C. Network shares
- D. CAT5e

Correct Answer: A

Section: Proactive Maintenance 9%

Explanation

Explanation/Reference:

Explanation:

QUESTION 45

A hypervisor has 4GB of RAM, 1TB of RAID 5 SATA storage, two Xeon 2.4GHz Quad Core Processors, and four gigabit NIC cards. The hypervisor is running twelve guest operating systems and users are reporting slow response times. Which of the following is MOST likely the cause?

- A. Processor
- B. RAM
- C. HDD
- D. NIC

Correct Answer: B

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 46

The company has purchased one hundred and fifty new servers. The server administrator needs to build and deploy them as quickly as possible. Which of the following is the FASTEST method of building and deploying each server?

- A. Build each server from the OS manufacturer's build disk.
- B. Use an imaging system to manually deploy the build to the servers.
- C. Build each server with the manufacturer's build disk.
- D. Give the company build disk to the server manufacturer.

Correct Answer: D

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 47

In Windows server permissions, an implicit deny:

- A. denies all accounts except an administrator account.
- B. will always result in a deny.
- C. will be overridden by an explicit allow.
- D. will lock the account out of the server.

Correct Answer: B

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 48

A server has failed after a tested and scheduled change control has been implemented. Which of the following is the FIRST thing the server technician should do?

- A. Perform a root cause analysis.
- B. Escalate the problem.
- C. Notify stakeholders.
- D. Establish a plan of action.

Correct Answer: C

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

Explanation:

QUESTION 49

A tape library with LTO2 drives can hold 30 tapes. Which of the following is the approximate maximum native backup storage of the tape library?

- A. 6TB
- B. 6MB
- C. 6PB
- D. 6GB

Correct Answer: A

Section: Disaster Recovery 12%

Explanation

Explanation/Reference:

Explanation:



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