COMPTIA SK0-003 EXAM QUESTIONS & ANSWERS

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Exam Name: CompTIA Server+ (2010 Edition)

Sections
1. Group 1
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ExamA

QUESTION 1
Which of the following chassis types makes the BEST use of space for performance?

A. Bare metal server
B. Tower server
C. Rack mounted server
D. Blade server

Correct Answer: D
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

Topic 3, Volume C

QUESTION 2
A power loss during a firmware update would MOST likely result in which of the following?

A. Increased heat output
B. Damage of the hardware
C. Loss of storage data
D. Decreased performance

Correct Answer: B
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 3
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: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 4
A server is having problems accessing its presented storage on a SAN. Which of the following could be causing the problem? (Select TWO).

A. NIC

B. HBA
C. Tape backup drive
D. SCSI adapter
E. CPU

Correct Answer: AB
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 5
An administrator buys a new server. The server has four disks and needs to be configured for maximum space. Fault tolerance is not a constraint. Which of the following configurations completes this task?

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

Correct Answer: A
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 6
Which of the following RAID levels supports fault tolerance by writing parity to only one drive in the array?

A. RAID 3
B. RAID 5
C. RAID 6
D. RAID 10

Correct Answer: A
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 7
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: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 8
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: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 9
An administrator has implemented a solution to resolve a server's problem in which the server unexpectedly reboots. Which of the following should be the administrator's NEXT troubleshooting step?

A. Test the theory to determine if the solution will correct the issue, list all other possible causes.
B. Verify full system functionality.
C. Document the issue; include details regarding findings, actions taken to resolve the issue, and the outcome.
D. Establish a theory of probable cause based on previous tests and determine next steps to resolve.

Correct Answer: B
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 10
An administrator logs into a server and notices slow performance. When the system finishes the logon process a message is displayed saying the system is out of Virtual Memory. Which of the following is the MOST likely cause of this issue?

A. The drives have been configured as basic.
B. The system partition with the page file is out of space.
C. The VMFS has bad sectors.
D. The drivers for the memory have become corrupt.

Correct Answer: B
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 11
An administrator has added a new hard drive to a server that is running out of space on its C Drive and is experiencing slow performance. The administrator needs to free up space on the C Drive. Which of the following is the BEST action for the administrator to take to free up space on the drive?

A. Move the page file to the new drive.
B. Copy the system32 directory to the new drive.
C. Convert the C drive to a basic disk.
D. Setup a software RAID to mirror the C drive.

Correct Answer: A
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 12
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: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 13
Upgrading which of the following components in a server has the GREATEST affect on virtualization?

A. Amount of Memory
B. Number of HBAs
C. Hard drive cache size
D. ECC ability in memory

Correct Answer: A
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 14
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: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 15
Which of the following BEST describes a virtual machine?

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

Correct Answer: D
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 16
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: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 17
Which of the following channels air flow through a server chassis?

A. Fans
B. Ducts
C. Heat sinks
D. Condensers

Correct Answer: B
Section: Group 5
Explanation

Explanation/Reference:

Explanation:

QUESTION 18
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: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 19
Which of the following protocols would be used to test if one host is reachable by another host, by sending echo requests and waiting for echo replies?

A. SNMP
B. ICMP
C. TCP
D. UDP

Correct Answer: B
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 20
A workstation is added to a newly created subnet using 192.168.100.0/24. A DHCP server is available on subnet 192.168.101.0/24. The user is unable to lease an address from the DHCP server. Which of the following would BEST resolve the problem?

A. Assign the workstation a static IP address.
B. Add a second DHCP server to the 192.168.101.0/24 subnet.
C. Add a DHCP relay to the 192.168.100.0/24 subnet.
D. Add a DHCP server to the 192.168.100.0/24 subnet.

Correct Answer: C
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 21
The operating system partition on a server is nearly out of space on a Windows 2003 Server. The administrator notices that the file pagefile.sys is taking up nearly 2GB of space. Which of the following would BEST resolve this problem?

A. Move the page file to a free drive.

B. Delete the file.
C. Add more memory.
D. Remove the page file from system properties.

Correct Answer: A
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 22
A server has five hot pluggable SCSI disk drives in a RAID 5 array. The server OS crashed and the server will not boot. The administrator noticed that all of the disk drives have gone offline. Which of the following components would MOST likely have caused the problem?

A. Memory
B. SCSI backplane
C. SCSI drives
D. Motherboard

Correct Answer: B
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 23
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: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 24
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: Group 5
Explanation

QUESTION 25
Which of the following Microsoft technologies allows for file replication between servers?

A. SMS
B. SYSVOL
C. DFS
D. NTFS

Correct Answer: C
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 26
Which of the following is the BEST way to allow web software through the server firewall?

A. Implement an application exception.
B. Implement an access control list (ACL).
C. Open the corporate firewall to allow port 80.
D. Implement port blocking on port 80.

Correct Answer: A
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 27
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: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 28
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: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 29
Which of the following is the MOST important consideration when looking at distance requirements when planning a hot site?

A. Avoiding more expensive bandwidth costs for data lines between regions
B. Avoiding a regional disaster that affects both the main site and the hot site
C. Avoiding a second location that has high latency between sites
D. Avoiding a location that is too expensive

Correct Answer: B
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 30
Which of the following tools can an administrator use to get a server baseline?

A. System Resource Monitor
B. Microsoft Baseline Security Analyzer (MBSA)
C. Replication Monitor
D. Performance Monitor

Correct Answer: D
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 31
Which of the following allows users to recover their deleted files on file shares by themselves?

A. Windows restore
B. Windows backup
C. Shadow copies
D. Shadow backup

Correct Answer: C
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 32

An administrator installed new components on a server. After the device installation, two of the components fail. Which of the following is the cause of the problem?

A. The server was not powered off correctly.
B. The proper ESD procedures were not used.
C. The devices were installed in the incorrect sequence.
D. The devices are incompatible with the system.

Correct Answer: B
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 33
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: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 34
Which of the following statements is true about L3 cache?

A. L3 cache operates faster than the system processor.
B. L3 cache runs at the speed of the processor.
C. L3 cache can deliver data in as little as 15ns.
D. L3 cache runs at the speed of the system bus.

Correct Answer: D
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 35
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: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 36
Which of the following would restrict traffic from a specific host to a network?

A. MIBs
B. NAS
C. ACL
D. SMTP

Correct Answer: C
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 37
Which of the following is eliminated when using SATA instead of PATA technology?

A. Jumper selection
B. Power connector
C. Data port connector
D. Hard drive LEDs

Correct Answer: A
Section: Group 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: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 39
While reviewing the backup logs a server administrator notices that a backup job for an application server on the same subnet has failed. Which of the following is MOST likely the problem?

A. The remote agent was not running.
B. The management card has failed.
C. The proxy server was blocking access.
D. The hardware firewall was blocking access.

Correct Answer: A
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 40
Which of the following is an advantage of using a KVM with multiple servers?

A. Eliminates the need for backup tapes
B. Increases redundancy
C. Saves physical space in the racks
D. Offers additional runtime for the UPS

Correct Answer: C
Section: Group 5
Explanation

Explanation/Reference:
Explanation:

QUESTION 41
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: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 42
Which of the following is MOST likely the reason a technician would implement software RAID for a SOHO environment?

A. CPU efficiency
B. High availability
C. High redundancy
D. Cost effective

Correct Answer: D
Section: Group 6
Explanation

QUESTION 43
A technician is unable to eject a tape from a drive when pressing the eject button. Which of the following is MOST likely the cause?

A. Corrupt OS
B. Array is rebuilding
C. Driver problem
D. Drive failure

Correct Answer: D
Section: Group 6
Explanation

QUESTION 44
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. tracert
C. nslookup
D. ping

Correct Answer: C
Section: Group 6
Explanation

QUESTION 45
Several remote sales employees, who have come into the office this week, report that they are unable to get on the Internet, but no other users have reported similar issues. The helpdesk has escalated the issue and the case notes state that the users have IP addresses that begin with 169. Which of the following should the system administrator check FIRST?

A. DHCP server
B. Network switches
C. DNS server
D. Core router

Correct Answer: A
Section: Group 6
Explanation

QUESTION 46
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: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 47
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: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 48
Which of the following is the MINIMUM number of disks necessary for a RAID 50 array?

A. 3
B. 4
C. 5
D. 6

Correct Answer: D
Section: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 49
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: Group 6

Explanation

Explanation/Reference:
Explanation:

QUESTION 50
Which of the following describes how many VRM's would be required in a system with quad Xeon CPU's?

A. 1
B. 2
C. 3
D. 4

Correct Answer: D
Section: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 51
The server administrator discovers that a server, which has not been patched, is running extremely slow and suspects that the server may have been compromised. Which of the following commands should the administrator use to check the number of network connections the server is making?

A. netstat
B. ping
C. nslookup
D. grep

Correct Answer: A
Section: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 52
Which of the following stripes data at the bit level and uses a dedicated disk for parity?

A. RAID 0
B. RAID 3
C. RAID 5
D. RAID 10

Correct Answer: B
Section: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 53
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: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 54
Which of the following hard drive busses will provide the FASTEST speed?

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

Correct Answer: A
Section: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 55
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: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 56
Which of the following will allow for the GREATEST amount of memory failure while still allowing the server to operate?

A. DDR3
B. Memory pairing
C. ECC
D. RAID

Correct Answer: D
Section: Group 6
Explanation

Explanation/Reference:

Explanation:

QUESTION 57
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: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 58
Which of the following is the BEST way to ensure that a server is up-to-date with all updates as soon as they are released?

A. Automatic updates set to install once per week
B. Automatic updates set to install updates automatically
C. Automatic updates set to download all updates automatically
D. Manual updates done daily at noon

Correct Answer: B
Section: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 59
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: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 60
Which of the following are benefits to server virtualization? (Select THREE).

A. Operating system standardization
B. Increased hardware utilization
C. Increase of unused resources
D. Ease of administration
E. Simplification of disaster recovery
F. Ease of new server deployment

Correct Answer: BEF
Section: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 61
Which of the following is an example of a private IP address?

A. 191.168.5.4
B. 111.12.53.2
C. 5.2.4.4
D. 169.254.15.28

Correct Answer: D
Section: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 62
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: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 63
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: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 64
Which of the following RAID levels would be appropriate given two drives and a need for fault tolerance?

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

Correct Answer: B
Section: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 65
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: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 66
Which of the following ports MUST be open on the firewall to allow remote desktop connection and remote assistance traffic through?

A. 21
B. 443
C. 3389
D. 8080

Correct Answer: C
Section: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 67
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: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 68
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: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 69
Which of the following is the BEST way to make sure the network printer is automatically installed when the user logs on?

A. Log onto the user's computer as a local administrator and install the printer.
B. Make sure the user has permission to print to the printer.
C. Create and implement a logon script.
D. After the user has logged on, install the printer.

Correct Answer: C
Section: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 70
Which of the following server types stores users' home directory folders?

A. Application
B. File
C. Directory services
D. Print

Correct Answer: B
Section: Group 6

Explanation

Explanation/Reference:
Explanation:

QUESTION 71
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: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 72
After performing the initial steps in installing the server OS from a DVD-ROM, the server reboots and goes back into the setup wizard. Which of the following is the MOST likely cause for this problem?

A. The DVD-ROM drive has failed.
B. An installation file copied from the DVD to the hard drive is corrupt.
C. Faulty OS installation DVD.
D. Incorrect boot sequence in the BIOS.

Correct Answer: D
Section: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 73
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: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 74
Which of the following ports does RDP use by default?

A. 23

B. 902
C. 1677
D. 3389

Correct Answer: D
Section: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 75
The administrator has just installed a new memory module into the server. Now, the server is not showing the new memory. Which of the following should the administrator perform FIRST?

A. System reboot
B. Reseat the memory
C. Install the latest firmware
D. Install the latest driver

Correct Answer: B
Section: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 76
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: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 77
Which of the following should be done FIRST when troubleshooting a problem?

A. Test the theory to determine the cause
B. Perform a root cause analysis
C. Establish a plan of action
D. Document outcomes

Correct Answer: A
Section: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 78
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: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 79
A technician is installing new memory in a server. The technician would consult the HCL to ensure which of the following?

A. Memory and virtual memory compatibility
B. Memory and speed compatibility
C. Memory and HDD compatibility
D. ESD standards were followed

Correct Answer: B
Section: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 80
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: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 81
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: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 82
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: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 83
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: Group 6
Explanation

Explanation/Reference:
Explanation:

QUESTION 84
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

Explanation/Reference:
Explanation:

QUESTION 85
Which of the following is the typical recommended temperature range for a data center?

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

Correct Answer: A
Section: Group 7
Explanation

Explanation/Reference:
Explanation:

QUESTION 86
An administrator does not have console access to a Windows Server. Which of the following command line utilities should the administrator use to reboot the system remotely?

A. reboot
B. pkill
C. shutdown
D. kill

Correct Answer: C
Section: Group 7
Explanation

Explanation/Reference:
Explanation:

QUESTION 87
When upgrading the BIOS, which of the following is MOST important?

A. Check room temperature and humidity.
B. Follow manufacturer instructions and documentation.
C. Run operating system updates.
D. Defragment all the hard drives on the system.

Correct Answer: B
Section: Group 7
Explanation

Explanation/Reference:
Explanation:

QUESTION 88
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: Group 7
Explanation

Explanation/Reference:
Explanation:

QUESTION 89
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: Group 7
Explanation

Explanation/Reference:
Explanation:

QUESTION 90
During a printer driver installation, a message appears stating "The software being installed for this hardware has not passed Windows logo testing". Which of the following is the SAFEST course of action for the administrator to take?

A. Continue with installation
B. Install .dll files needed for the printer
C. Obtain a Microsoft certified driver
D. Restart the printer and try again

Correct Answer: C
Section: Group 7
Explanation

Explanation/Reference:
Explanation:

QUESTION 91
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: Group 7
Explanation

Explanation/Reference:

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: Group 1
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: Group 1
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 4
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: Group 1
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: Group 1
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: Group 1
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 8
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 9
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 10
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

QUESTION 11
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 12
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 13
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 14
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 15
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: Group 1
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: Group 1
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: Group 1
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: Group 1
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 20
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 21
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 22
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 23
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 24
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 25
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 26
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 27
Which of the following can transmit block level storage over Ethernet?

A. SAS

B. iSCSI
C. USB
D. SATA

Correct Answer: B
Section: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 28
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 29
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 30
An administrator has encountered an error while patching a virtualized guest machine. 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: Group 1
Explanation

QUESTION 31
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 32
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 33
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 34
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 35
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 36
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 37
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: Group 1
Explanation

QUESTION 38
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 39
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 40
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 41
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: Group 1
Explanation

Explanation/Reference:
Explanation:

QUESTION 42
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 43
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 44
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 45
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 46
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 47
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 48
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 49
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 50
Which of the following virtualization technologies can save time during provisioning?

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

Correct Answer: A
Section: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 51
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 52
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 53
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 54
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 55
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 56
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 57
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 58
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 59
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 60
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 61
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: Group 2
Explanation

QUESTION 62
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 63
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 64
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 65
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 66
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 67
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 68
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 69
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 70
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 71
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

QUESTION 72
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 73
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 74
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 75
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 76
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 77
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 78
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 79
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 80
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 81
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 82
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 83
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 84
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: Group 2
Explanation

QUESTION 85
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: Group 2
Explanation

QUESTION 86
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: Group 2
Explanation

QUESTION 87
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: Group 2
Explanation

QUESTION 88
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 89
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 90
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: Group 2
Explanation

Explanation/Reference:
Explanation:

QUESTION 91
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: Group 2
Explanation

Explanation/Reference:
Explanation:
Topic 2, Volume B

QUESTION 92
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: Group 7
Explanation

Explanation/Reference:
Explanation:

QUESTION 93
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: Group 7
Explanation

Explanation/Reference:
Explanation:

QUESTION 94
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: Group 7
Explanation

Explanation/Reference:
Explanation:

QUESTION 95
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: Group 7
Explanation

Explanation/Reference:
Explanation:

QUESTION 96
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: Group 7
Explanation

Explanation/Reference:
Explanation:

QUESTION 97
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: Group 7
Explanation

Explanation/Reference:
Explanation:

QUESTION 98
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: Group 7
Explanation

Explanation/Reference:
Explanation:

QUESTION 99
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: Group 7
Explanation

Explanation/Reference:
Explanation:

ExamC

QUESTION 1
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 2
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 3
An administrator has been instructed to add four additional drives to a server configured with RAID

A.
B.
C.
D.

Correct Answer:
Section: Group 3
Explanation

Explanation/Reference:

QUESTION 4
The server is using 146GB drives for the data. Without changing the configuration, how much additional data space would be available if the administrator purchased 300GB drives and added them to the existing array?

A. 438GB

B. 584GB

C. 900GB

D. 1200GB

Correct Answer: B
Section: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 5
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 6
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 7
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 8
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 9
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 10
How many wire pairs are in a standard CAT6 cable?

A. 3

B. 4

C. 6

D. 8

Correct Answer: B
Section: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 11
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 12
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 13
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 14
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 15
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 16
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 17
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

QUESTION 18
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 19
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 20
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 21
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 22
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 23
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 24
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: Group 3
Explanation

Explanation/Reference:

Explanation:

QUESTION 25
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 26
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 27
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 28
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 29
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 30
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 31
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 32
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 33
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 34
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 35
Which of the following server roles synchronizes time throughout the network?

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

Correct Answer: B
Section: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 36
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 37
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 38
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 39
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 40
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 41
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 42
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: Group 3
Explanation

Explanation/Reference:
Explanation:

QUESTION 43
Which of the following has the LARGEST space capacity?

A. DDR
B. CD-R
C. Blu-Ray
D. DVD

Correct Answer: C
Section: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 44
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 45
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 46
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 47
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 48
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 49
A server is overheating. Which of the following is the MOST likely cause?

A. The RAM used was an incorrect brand.
B. The boot sequence was set improperly.
C. Dust has gathered up inside the server.
D. The server is being overclocked.

Correct Answer: C
Section: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 50
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 51
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 52
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 53
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 54
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 55
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 56
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: Group 4
Explanation

QUESTION 57
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: Group 4
Explanation

QUESTION 58
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: Group 4
Explanation

QUESTION 59
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: Group 4
Explanation

QUESTION 60
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 61
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 62
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 63
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 64
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 65
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 66
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 67
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 68
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 69
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 70
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 71
Which of the following archiving methods only backs up data that has changed since the previous backup?

A. Differential
B. Copy
C. Incremental
D. Snapshot

Correct Answer: C
Section: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 72
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 73
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

QUESTION 74
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 75
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 76
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 77

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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 78
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 79
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 80
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 81
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 82
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 83
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 84
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 85
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 86
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 87
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 88
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 89
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 90
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 91
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 92
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: Group 4
Explanation

Explanation/Reference:
Explanation:

QUESTION 93
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: Group 7

Explanation/Reference:
Explanation:

QUESTION 94
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: Group 7
Explanation

Explanation/Reference:
Explanation:

QUESTION 95
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: Group 7
Explanation

Explanation/Reference:
Explanation:

QUESTION 96
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: Group 7
Explanation

Explanation/Reference:
Explanation:

QUESTION 97
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: Group 7
Explanation

Explanation/Reference:
Explanation:

QUESTION 98
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: Group 7
Explanation

Explanation/Reference:
Explanation:

QUESTION 99
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: Group 7
Explanation

Explanation/Reference:
Explanation:

QUESTION 100
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: Group 7

Explanation

Explanation/Reference:
Explanation: