CompTIA SK0-004

CompTIA Server+

Version: 11.1

QUESTION NO: 1

Which of the following is the height of 1U of space in a server rack?

A.
1.5 inches (3.8 cm)

B.
1.75 inches (4.4 cm)

C.
2 inches (5.1 cm)

D.
3 inches (7.6 cm)

Answer: B
Explanation:

QUESTION NO: 2

A blade server chassis has two power supplies. Which of the following is a benefit of a technician connecting each power supply to a separate UPS unit?

A.
Quality of service

B.
Fault tolerance

C.
Traffic shaping

D.
Load balancing

Answer: B
Explanation:

QUESTION NO: 3

A blade chassis can hold 16 half-height blades or eight full-height blades. Which of the following is the MAXIMUM number of half-height blades that can be installed in the chassis if six full-height blades are already installed?

A.
2

B.
4

C.
8

D.
16

Answer: B
Explanation:

QUESTION NO: 4

A technician is asked to install an additional NIC in a server. Which of the following hardware considerations would be BEST for the technician to make?

A.
Power consumption

B.
Bus type and speed

C.
CPU stepping

D.
CAS latency

Answer: B
Explanation:

QUESTION NO: 5

A server technician is replacing a web server in an organization. The new server has two integrated NICs. Which of the following describes how the NICs should be configured for fault protection?

A.
The NICs should be configured separately with one MAC address.

B.
The NICs should be placed into a team with one MAC address.

C.
The NICs should be configured separately with two MAC addresses.

D.
The NICs should be placed into a team with two MAC addresses.

Answer: B
Explanation:

QUESTION NO: 6

A server administrator is implementing disk redundancy in all database servers. Which of the following RAID configurations should the administrator use so that a MINIMUM number of disks are required?

A.
RAID 0

B.
RAID 1

C.
RAID 5

D.
RAID 6

Answer: B
Explanation:

QUESTION NO: 7

A server administrator is configuring a new server for an organization. The server will function as a firewall and proxy server, as well as provide NAT services for other devices on the network. Which of the following BEST describes how the network hardware on the server should be configured?

A.
The server should have at least two NICs: one configured with an IP address on the inside network, and one with an IP address on the outside network.

B.
The server should have at least two NICs: each NIC should be configured with an IP address on the same network segment.

C.
The server requires only one NIC, as the NIC can be configured with two IP addresses: one for the inside network segment, and one for the outside network segment.

D.
The server requires at least three NICs: one configured with an IP address for the intranet clients, one with an IP address on the inside network, and one with an IP address on the outside network.

Answer: A
Explanation:

QUESTION NO: 8

A certain rack mounted blade server chassis needs 3-phase power for operation. There is currently only single-phase power coming into the room. The administrator needs to:

A.
call an electrician to wire the single-phase power into 3-phase power.

B.
use a single-phase UPS to power the 3-phase server.

C.
call an electrician to see if 3-phase power can be brought into the room.

D.
use an adapter to configure the server to use single-phase power.

Answer: C
Explanation:

QUESTION NO: 9

Which of the following is the MOST redundant power solution?

A.
Two power supplies, each hooked up to individual legs of one 3-phase circuit.

B.
Two power supplies, each hooked up to the same 1-phase circuit.

C.
Two power supplies, each hooked up to separate 1-phase circuits.

D.
One power supply hooked up to two 1-phase circuits.

Answer: C
Explanation:

QUESTION NO: 10

An administrator is tasked with deploying a server in a telephone switching station. Which of the following voltages will MOST likely be available at the facility?

A.
-48VDC

B.
120VDC

C.
220VAC

D.
440VAC

Answer: A
Explanation:

QUESTION NO: 11

As a best practice, which of the following should be determined prior to provisioning a server? (Select TWO).

A.
User accounts

B.
Group accounts

C.
Hostname

D.
MAC address

E.
Domain name

F.
IP address

Answer: C,F
Explanation:

QUESTION NO: 12

A system administrator needs to install an operating system onto a new server in a remote location using PXE. Which of the following methods will BEST accomplish this?

A.
SSH

B.
RDP

C.
TFTP

D.
HTTP

Answer: C

Explanation:

QUESTION NO: 13

A technician is installing an operating system on a server using source files on a USB storage device. The technician is unable to boot to the USB device using different USB ports on the server. Which of the following should the technician do to ensure that the operating system can be installed from the USB storage?

A.
Copy the source files to a CD

B.
Install the latest USB device drivers

C.
Reconfigure the boot order

D.
Update the BIOS firmware

Answer: C
Explanation:

QUESTION NO: 14

The IT director instructed the systems administrator to build a server to support the accounting department's file growth. The IT director requested that the accounting users have the ability to encrypt their files; however, the accounting users have reported the inability to encrypt their files. Which of the following file system types is MOST likely causing this issue?

A.
QFS

B.
ZFS

C.
FAT32

D.
CIFS

E.
ext4

Answer: C
Explanation:

QUESTION NO: 15

Which of the following server types translates FQDNs to IP addresses?

A.
DHCP

B.
SMTP

C.
DNS

D.
FTP

Answer: C
Explanation:

QUESTION NO: 16

Two servers are to be configured for high availability in a cluster. Both servers will be running applications at the same time. This feature is known as:

A.
round robin.

B.
heartbeat.

C.
active/active.

D.
active/passive.

Answer: C
Explanation:

QUESTION NO: 17

Which of the following is the purpose of an NTP server?

A.
For hosting instant messaging applications

B.
For synchronizing clocks on network devices

C.
For file sharing and collaboration

D.
For hosting newsgroups

Answer: B
Explanation:

QUESTION NO: 18

An administrator wishes to use KVM remotely to monitor and control a server farm. In order to perform this function:

A.
remote control must be disabled on each server.

B.
the host must be reachable via the IP address.

C.
a serial cable must be available.

D.
a monitor must be attached to every server.

Answer: B

Explanation:

QUESTION NO: 19

An administrator needs to reconfigure a Linux server's operating system. Which of the following tools can the administrator use to access a command shell over the network? (Select TWO).

A.
Connect with SSH

B.
Connect with RDP

C.
Connect with VNC

D.
Connect with BASH

E.
Connect with FTP

Answer: A,C
Explanation:

QUESTION NO: 20

A system administrator needs to directly control a server that has no network connectivity. Which of the following should be used to accomplish this?

A.
SSH

B.
KVM

C.
RDP

D.
iLO/iDRAC

Answer: B
Explanation:

QUESTION NO: 21

A customer reports that connectivity to their web server has been sporadic throughout the morning. An administrator has applied OS patches periodically throughout the morning and rebooted the server. Which of the following has the administrator MOST likely violated?

A.
Service level agreement

B.
Mean time before failure

C.
Mean time to repair

D.
Request for proposal

Answer: A
Explanation:

QUESTION NO: 22

A technician needs to install additional memory in a server to help resolve performance issues. Which of the following should the technician do FIRST?

A.
Perform an impact analysis.

B.
Follow change management procedures.

C.
Install the additional memory.

D.
Update system firmware.

Answer: B

Explanation:

QUESTION NO: 23

A line-of-business software patch notification is received. The notification indicates that version 5.0 of the software has new features that the accounting department has been expecting. The update requires a new version of the OS and new version of SQL on the server. Which of the following should the administrator perform FIRST?

A.
Schedule downtime to update the OS and SQL on the server.

B.
Download and test the new version.

C.
Develop a plan to build a test server.

D.
Request feedback from the accounting department.

Answer: C

Explanation:

QUESTION NO: 24

A system administrator is asked to set up several physical file servers that have recently crashed due to a power failure. Which of the following documents should the administrator refer to in order to complete this task?

A.
Server configuration documentation

B.
Network diagram

C.
Asset management documentation

D.
Dataflow diagram

Answer: A
Explanation:

QUESTION NO: 25

When attempting to diagnose service access issues between multiple hosts that coordinate information, which of the following can be used to track dependencies?

A.
Dataflow diagrams

B.
Architecture diagrams

C.
Baseline documentation

D.
Service manuals

Answer: A
Explanation:

QUESTION NO: 26

An organization has agreed on the software that will be used to virtualize the company's web servers. Which of the following should the administrator reference prior to purchasing physical servers to be deployed as hosts in the new virtual architecture?

A.
The vendor's software compatibility list

B.
The vendor's service level agreement

C.
The vendor's hardware compatibility list

D.
The vendor's end user licensing agreement

Answer: C
Explanation:

QUESTION NO: 27

Which of the following is a benefit of utilizing a type 2 hypervisor to manage guests?

A.
The administration of the guest OS is significantly less complex.

B.
There is reduced resource overhead since there is no OS layer.

C.
A type 2 hypervisor offers increased performance over a type 1 hypervisor.

D.
There is increased hardware support since there is an OS layer.

Answer: D
Explanation:

QUESTION NO: 28

A system administrator has decided to create several VMs for a company. In which of the following locations would each of the VMs reside?

A.
Host

B.
VNC

C.
Guest

D.
VPN

Answer: A

Explanation:

QUESTION NO: 29

An ISP is currently drafting and compiling a Service Level Agreement that states there should only be 5.26 minutes of downtime per year, 25.9 seconds per month, and 6.05 seconds per week. Which of the following percentages should be used to meet these metrics?

A.
99.9%

B.
99.99%

C.
99.999%

D.
99.9999%

Answer: C
Explanation:

QUESTION NO: 30

A technician is tasked with building a test server. Which of the following hard drive types will provide the highest performance?

A.
SCSI

B.
SAS

C.
SATA

D.
iSCSI

Answer: B

Explanation:

QUESTION NO: 31

A technician is tasked to build a server requiring the fastest possible performance. Which of the following would achieve this requirement?

A.
10,000 RPM SATA

B.
15,000 RPM SAS

C.
SSD

D.
USB

Answer: C
Explanation:

QUESTION NO: 32

A technician is called upon to add storage to a database server. The database administrator needs the maximum performance for accessing many small files. Which of the following specifications should the technician focus on when selecting the drive to add to the server?

A.
Form factor

B.
Capacity

C.
Bus bandwidth

D.
Seek time

Answer: D

Explanation:

QUESTION NO: 33

A hardware compatibility list recommends striping with double parity as storage for an application. In a test environment, a technician realizes that a different RAID level can be used to compensate for a limited number of available disks. Which of the following is the closest RAID level the technician should deploy while minimizing the number of disks and maintaining fault tolerance?

A.
0

B.
1

C.
5

D.
10

Answer: C
Explanation:

QUESTION NO: 34

An emergency power off accidentally occurs in a datacenter during a fire alarm test. On recovery, the server administrator notices that an external storage array is performing consistency checks on all the volumes configured in the array. Which of the following components of the storage array has MOST likely failed or faulted?

A.
Redundant controller

B.
Cold spare drive

C.
Battery backed cache

D.
Cache memory modules

Answer: C
Explanation:

QUESTION NO: 35

A server administrator wants to isolate a SAN hosted LUN to be visible to only a single host. Which of the following methodologies would be used to present the LUN to only that host?

A.
LUN masking

B.
LUN ID assignment

C.
Port mapping

D.
Port zoning

Answer: A
Explanation:

QUESTION NO: 36

A system administrator has determined that more storage is needed for company data. The storage requires the highest speed data transfer rate with maximum performance. Which of the following solutions MUST be implemented to meet the business requirements?

A.
FC SAN

B.
FCoE

C.
iSCSI

D.
JBOD

Answer: A

Explanation:

QUESTION NO: 37

An administrator is developing a storage growth plan for a new file server. Which of the following should be implemented on the server so that storage growth is restricted?

A.
Disk quotas

B.
Disk compression

C.
Automatic usage reports

D.
Automatic defragmentation

Answer: A

Explanation:

QUESTION NO: 38

A server administrator is researching the purchase of SSD for a server. The administrator receives a report from the datacenter technician detailing current storage requirements and future growth planning estimates as follows:

ServerA: Current-15TB-Future-50% growth

ServerB: Current-20TB-Future-80% growth

Based on this report, which of the following represents the MINIMUM storage requirements needed?

A.
ServerA-18TB, ServerB-24TB

B.
ServerA-22TB, ServerB-22TB

C.
ServerA-23TB, ServerB-36TB

D.
ServerA-25TB, ServerB-40TB

Answer: C
Explanation:

QUESTION NO: 39

Which of the following provides two-factor authentication?

A.
Bank card and PIN.

B.
Username and password.

C.
Fingerprint and iris scan.

D.
Key and proximity badge.

Answer: A
Explanation:

QUESTION NO: 40

Which of the following is the MOST secure method of storing critical and sensitive system information (e.g., administrative passwords, trusted signing keys)?

A.
Store the information encrypted and offline in a storage safe.

B.
Encrypt the information using a zip file with a password.

C.
Utilize a drive with full disk encryption enabled.

D.

Create an encrypted virtual disk for storage.

Answer: A

Explanation:

QUESTION NO: 41

A network administrator is tasked to block all outbound SSH connections on the default port from a network subnet of 10.152.8.0/21 on a Linux based firewall. Which of the following rule sets would accomplish this task?

A.

iptables -i OUTPUT -d 10.152.8.0/21 -p TCP --dport 22 -j REJECT

B.

iptables -i OUTPUT -d 10.152.8.0/21 -p TCP --dport 23 -j REJECT

C.

iptables -i OUTPUT -d 10.152.8.0/21 -p TCP --dport 22 -j ACCEPT

D.

iptables -i OUTPUT -d 10.152.8.0/21 -p TCP --dport 23 -j ACCEPT

Answer: A

Explanation:

QUESTION NO: 42

A company has recently had sensitive data stolen by a contractor who plugged a flash drive into a server. Which of the following is the BEST method to prevent future occurrences?

A.

Disable any unused physical ports until needed

B.

Implement a BIOS password on all the servers

C.

Install chassis locks on all the servers

D.
Restrict usage of flash drives in company policy

Answer: A
Explanation:

QUESTION NO: 43

Network devices between two firewalls are included in which of the following?

A.
VPN

B.
SAN

C.
VLAN

D.
DMZ

Answer: D
Explanation:

QUESTION NO: 44

A system administrator is tasked with dividing the network so that each department is separate from the other. Which of the following should be used to accomplish this task?

A.
VLAN

B.
VPN

C.
VNC

D.
VM

Answer: A

Explanation:

QUESTION NO: 45

Which of the following is an example of the principle of least privilege and is the MOST secure when granting access to a shared network drive used by the Accounting department?

A.
Grant appropriate permissions to only users in the Accounting department for both the share and NTFS

B.
Grant all users full control permissions for the share only

C.
Grant the Accounting department full control for the share and appropriate NTFS permissions

D.
Grant modify permissions to the Accounting department and deny NTFS permissions to all other users

Answer: A

Explanation:

QUESTION NO: 46

Which of the following methods should a technician perform to properly clear a hard drive before disposal?

A.
Delete the FAT

B.
Zero all block sectors

C.
Delete the partition

D.
Zero the NTFS journal

Answer: B

Explanation:

QUESTION NO: 47

A server unexpectedly shut down as a result of overheating. An alert was sent to the administrator's email address but the administrator was away from the workstation when the alert arrived. Which of the following would have been a more effective method for sending the alert notification?

A.
Broadcast messages

B.
SMS messages

C.
Telephone calls

D.
Console notifications

Answer: B

Explanation:

QUESTION NO: 48

A server technician in a datacenter configures a daemon to monitor the battery health in a UPS. Over a two day time period, the daemon generates a warning message. Which of the following represents the FIRST action that should be taken by the server technician?

A.
Perform a test on the UPS batteries

B.
Immediately replace the UPS batteries

C.
Move the servers connected to the UPS to another existing UPS

D.
Immediately replace the UPS with a new UPS

Answer: A
Explanation:

QUESTION NO: 49

A server technician is performing a server installation. This server must be able to resolve host names for users running a variety of client operating systems. At a minimum, which of the following services should be enabled on the new server? (Select TWO).

A.
NAT

B.
DNS

C.
LDAP

D.
WINS

E.
SNMP

F.
DHCP

Answer: B,D
Explanation:

QUESTION NO: 50

A technician has finished installing the operating system on a new server and needs to provide IP addressing information. The server will be connected to the DMZ network. Devices on the network use a default gateway address of 192.168.55.1. Which of the following is a valid IP address for a server in the DMZ network?

A.
IP: 192.168.55.1, NETMASK 255.255.255.0

B.
IP: 192.168.55.5, NETMASK 255.255.255.128

C.
IP: 192.168.55.155, NETMASK 255.255.255.128

D.
IP: 192.168.55.255, NETMASK 255.255.255.0

Answer: B
Explanation:

QUESTION NO: 51

Clients cannot connect to the network. A technician determines that port 68 is not open. Which of the following protocols is being blocked?

A.
POP3

B.
DNS

C.
LDAP

D.
DHCP

Answer: D
Explanation:

QUESTION NO: 52

Which of the following protocols can be used to perform configuration management on a remote server using the MOST secure methods? (Select TWO).

A.
SMTP

B.
DHCP

C.

RDP

D.
SSH

E.
TELNET

F.
DNS

Answer: C,D
Explanation:

QUESTION NO: 53

Which of the following protocols is considered stateless and utilizes TCP when communicating between a server and client?

A.
IMAP

B.
SMTP

C.
HTTP

D.
SSH

Answer: C
Explanation:

QUESTION NO: 54

A server technician needs to connect two servers with gigabit NICs without MDI-X in order to transfer files between them and is unable to locate a switch with gigabit ports. Which of the following types of cables would allow the technician to connect the servers to obtain the FASTEST transfer rate possible?

A.

Rollover cables

B.

CAT6 crossover cables

C.

CAT6 straight-through cables

D.

CAT5 straight-through cables

Answer: B
Explanation:

QUESTION NO: 55

A server technician is connecting a server to a switch in the server room. Both the server and the switch are equipped with 10 Gigabit Ethernet adapters. Which of the following cable choices would produce the BEST throughput?

A.
CAT6 rollover cable

B.
CAT5e straight-through cable

C.
CAT6 straight-through cable

D.
CAT5e crossover cable

Answer: C
Explanation:

QUESTION NO: 56

A server administrator is setting up a new set of hosts for an application that requires communication between all the hosts on a dedicated private subnet. Initially, the configuration consists of four hosts and is expected to grow to 48 total as the application is implemented for the entire company. When configuring the private subnet, which of the following CIDR netmasks

would allow for the full number of hosts once the application is fully in production with the least number of unused addresses allocated?

A.
/25

B.
/26

C.
/27

D.
/28

Answer: B
Explanation:

QUESTION NO: 57

An administrator is updating the server infrastructure at a company's disaster recovery site. Currently, an enormous amount of effort is required by the administrator to replicate operations. Which of the following types of site is the administrator currently using?

A.
Cold site

B.
Hot site

C.
Warm site

D.
Replication site

Answer: A
Explanation:

QUESTION NO: 58

A technician has traveled to a company's alternate site to assess current operations of the network infrastructure. Following the assessment, the technician has informed management that everything is operational, with all applications and data mirrored. Which of the following types of site does the company have?

A.
Warm site

B.
Cold site

C.
Hot site

D.
Standby site

Answer: C
Explanation:

QUESTION NO: 59

A hardware failure affects a server in a datacenter. The server is critical to company operation, and the hardware vendor is out of stock on the parts needed to repair the server. A network technician suggests replacing it with a server from the warm site. Which of the following should the technician do FIRST?

A.
Outsource a hardware-certified courier to move the server to the datacenter.

B.
Check the DRP and BCP and talk to the company stakeholders before making the decision.

C.
Unrack the server from the warm site and move it to the datacenter.

D.
Order the parts from the hardware vendor and notify affected users that the server will be down.

Answer: B
Explanation:

QUESTION NO: 60

A technician wants to implement a grandfather-father-son tape rotation policy. Which of the following implements this backup strategy?

A.
Assign a different set of tapes for daily, weekly, and monthly backups.

B.
Use a different set of tapes for every two, four, and eight days.

C.
Designate a different set of tapes for odd-day and even-day backups.

D.
Use a queue to rotate tapes based on the age and usage of the tape.

Answer: A
Explanation:

QUESTION NO: 61

In an effort to reduce recovery time during hardware failures, a server administrator needs to implement a backup method that will allow for complete OS and service/application recovery as long as compatible hardware is available. Which of the following backup types meets this requirement?

A.
Incremental

B.
Bare metal

C.
Snapshot

D.
Full

Answer: B
Explanation:

QUESTION NO: 62

A technician needs to install an operating system patch on a virtual server. Which of the following backup types should the technician perform prior to the patch installation that will allow the server to be restored the FASTEST?

A.
Snapshot

B.
Incremental

C.
Differential

D.
Full

Answer: A
Explanation:

QUESTION NO: 63

An administrator needs to perform a backup of all servers for an upcoming disaster recovery exercise at a company cold site. Which of the following types of backup should be performed?

A.
Snapshot

B.
Incremental

C.
Differential

D.
Full

Answer: D
Explanation:

QUESTION NO: 64

A company has hired a consultant to review the production storage infrastructure and provide suggestions on improving performance. The consultant has identified a bottleneck in the production switching fabric and successfully tested the solution in a lab environment. Which of the following should the consultant perform NEXT, according to best practices?

A.

Implement the solution in production since it was tested in the lab.

B.

Establish a plan of action to implement the solution in production.

C.

Perform a root cause analysis of what caused the bottleneck.

D.

Establish a theory describing the possible issue in the production network.

Answer: B
Explanation:

QUESTION NO: 65

Which of the following involves finding and correcting the MOST important reason for performance issues?

A.
Root cause analysis

B.
Replicating the problem

C.
Defining preventative action

D.
Theory of probable cause

Answer: A
Explanation:

QUESTION NO: 66

A system administrator needs to rebuild a server by booting to the OS DVD. The server powers up but attempts to boot from the network. Which of the following is the MOST likely source of the problem?

A.
Incorrect media type

B.
Driver failure

C.
Incorrect mount point

D.
Memory failure

Answer: A
Explanation:

QUESTION NO: 67

A technician is asked to troubleshoot a server that constantly reboots. There are no error messages displayed on the server. Which of the following should the technician check?

A.
Cooling failure

B.
Cable mismatch

C.
BIOS driver failure

D.
Port conflict

Answer: A
Explanation:

QUESTION NO: 68

A technician receives an error message when trying to boot the server stating the operating system was not found. Change management logs indicate a new hard drive backplane was installed in the server last night. Which of the following should the technician do FIRST when troubleshooting the issue?

A.
Check system board cables

B.
Rebuild RAID array

C.
Reinstall server OS

D.
Remove newly installed hardware

Answer: A
Explanation:

QUESTION NO: 69

A database server stops responding to requests, and the administrator suspects that the server is experiencing memory faults during heavy network traffic and database access. Which of the following is the FIRST troubleshooting step?

A.
Check the security log.

B.
Check the application logs.

C.
Check the debug report.

D.
Check the POST error log.

Answer: B
Explanation:

QUESTION NO: 70

A technician is troubleshooting a Linux server and wants to inspect the free disk space on the /dev/sda partition of the system. Which of the following command line tools should the administrator run to view available disk space on the partition?

A.
dd

B.
du

C.
ls

D.
df

Answer: D
Explanation:

QUESTION NO: 71

A system administrator notices that a server is consistently getting slower and less responsive the longer it has been since the last reboot. Once the server is rebooted, the system performs at the expected baseline, but starts slowing down again until the system is unresponsive. Which of the following is the MOST likely cause of this problem?

A.
OS performance misconfiguration

B.
Service/application memory leak

C.
Incorrect server resource specifications

D.
Corrupted application files

Answer: B

Explanation:

QUESTION NO: 72

Users on a network segment report that they are unable to connect to a newly installed file server. The file server IP address settings are as follows:

IP address: 10.0.10.254

Subnet Mask: 255.255.255.0

Default Gateway: 10.10.10.1

Which of the following changes should the server administrator make?

A.
Change the IP address on the server to 10.10.0.254.

B.
Change the IP address on the server to 10.10.10.254.

C.
Change the default gateway on the server to 10.10.10.254.

D.
Change the subnet mask on the server to 255.255.0.0.

Answer: B
Explanation:

QUESTION NO: 73

A technician is troubleshooting an issue with a new server, which is unable to download OS patches from the Internet. The technician reviews the following configuration:

Ethernet Adapter Local Area Connection:

Connection-specific DNS Suffix . : comptia.org

Link-local IPv6 Address . . . . : fe80::c95:3f59:1a01:c050%11

IPv4 Address . . . . : 192.168.10.20

Subnet Mask . . . . : 255.255.255.128

Default Gateway . . . . : 192.168.10.129

Which of the following is the reason that the server is unable to connect to the Internet?

A.
Incorrect default gateway

B.
Invalid IPv6 address

C.
Wrong subnet mask

D.
Misconfigured DNS suffix

Answer: A
Explanation:

QUESTION NO: 74

A new DHCP server is placed on a network segment during off hours. When work resumes, users on a different network segment report connectivity issues. Users on the same network segment report no connectivity issues. Which of the following is the MOST likely reason for the connectivity issues?

A.
The DHCP server was configured without specifying a WINS server address for the users.

B.
The DHCP server was configured without specifying a DNS server address for the users.

C.
The DHCP relay agent was not configured on the adjacent network segment.

D.
The DHCP server was configured to use private IP addressing to all network segments.

Answer: C

Explanation:

QUESTION NO: 75

A server administrator is notified that all three hard disks in a server array have failed. Which of the following is the MOST likely cause?

A.
Incompatible BIOS

B.
Backplane failure

C.
Cache battery failure

D.
Incorrect firmware version

Answer: B
Explanation:

QUESTION NO: 76

When troubleshooting a failed backup, a technician runs the backup using the same tape but on a different tape drive in the same tape library. The backup fails again. Which of the following should be the FIRST item the technician should examine as a failure?

A.
Tape drive

B.
Tape library

C.
Tape media

D.
Tape capacity

Answer: C

Explanation:

QUESTION NO: 77   41

An administrator is securing a secure web server by disabling ports. After completing this process, clients cannot access the secure web server. The administrator should now go back and verify whether which of the following ports is enabled?

A.
23

B.
389

C.
443

D.
445

Answer: C
Explanation:

QUESTION NO: 78

A server technician is investigating a potential data breach. It is believed that the breach occurred via telnet access. Which of the following could validate this hypothesis?

A.
Port scanner

B.
Cipher tools

C.
Checksum analyzer

D.
TDR

Answer: A

Explanation:

QUESTION NO: 79

Users report that an application is unable to connect to a server on the same network segment. Which of the following is the MOST likely reason?

A.
The external firewall is preventing access to the server.

B.
The DMZ is incorrectly configured.

C.
The syslog server detects malware on the server.

D.
The application is using a port that is closed on the server.

Answer: D
Explanation:

QUESTION NO: 80

A technician is replacing a faulty NIC in a server. According to best practices, which of the following should be used to configure the IP address on the server?

A.
DNS reservation

B.
DHCP IP address

C.
DHCP reservation

D.
Static IP address

Answer: D

Explanation:

QUESTION NO: 81

A technician needs to add a processor to a server. Which of the following specifications should the technician examine? (Select THREE).

A.
Bus multiplier

B.
Processor speed

C.
Socket type

D.
Processor stepping

E.
L3 cache size

F.
Thermal specifications

Answer: B,C,D
Explanation:

QUESTION NO: 82

A server's runtime during power outages is too short to shut down properly. A system technician is asked to remediate the problem. Which of the following would be the result of adding additional batteries to the UPS?

A.
Increased load balancing

B.
Extended uptime

C.
Greater efficiency

D.

Increased power output

Answer: B

Explanation:

QUESTION NO: 83

A system administrator wants to assure that a server is responsive. Which of the following networking tools should the administrator use to verify network connectivity?

A.

arp

B.

netstat

C.

ipconfig

D.

ping

Answer: D

Explanation:

QUESTION NO: 84

Two new applications have been added to a working server. The server response is now very slow. An appropriate plan of action is to:

A.

uninstall each server application and reinstall the two new applications.

B.

install another application to see if this improves the server response time.

C.

install antivirus and malware software.

D.

uninstall the newly installed applications one at a time.

Answer: D
Explanation:

QUESTION NO: 85

Which of the following is the core software application that manages computer virtualization?

A.
Hypervisor

B.
Hyperthreading

C.
Console

D.
KVM

Answer: A
Explanation:

QUESTION NO: 86

Which of the following is a requirement for a server to allow guests to be installed on a hypervisor host?

A.
Processors with multiple cores

B.
Processors with available cache

C.
Processors that support virtualization

D.
Processors that support hyperthreading

Answer: C
Explanation:

QUESTION NO: 87

Swap space or page file is reserved on the:

A.
motherboard.

B.
memory.

C.
hard disk.

D.
CPU.

Answer: C
Explanation:

QUESTION NO: 88

An administrator needs to deploy 1000 servers in a short period of time. Which of the following deployment methods will expedite the OS installations?

A.
Use disk duplicating software.

B.
Use USB disk images to deploy servers.

C.
Use a disk replicator.

D.
Use PXE boot to retrieve an image.

Answer: D

Explanation:

QUESTION NO: 89

Which of the following are required characteristics of database servers in high transaction environments? (Select THREE).

A.
Two-factor authentication

B.
High bandwidth

C.
Higher RPM drives

D.
Load balancing

E.
High latency

F.
Hotswappable drives

G.
Encryption

Answer: B,C,D
Explanation:

QUESTION NO: 90

A network administrator is installing additional devices on the network. Currently, the network segment is utilizing all allocated IP addresses. If there are additional addresses available, which of the following would be BEST for the network administrator to perform to accommodate the new network devices?

A.
Create a new DHCP scope for the network segment in question.

B.

Configure the DHCP server for IPv6.

C.
Configure the network to use NAT for the network segment in question.

D.
Increase the size of the DHCP scope for the network segment in question.

Answer: D
Explanation:

QUESTION NO: 91

Which of the following allows virtual machines to share the NIC of the host?

A.
Virtual LANs

B.
NAT

C.
Bridging

D.
Virtual NICs

Answer: C
Explanation:

QUESTION NO: 92

An administrator is asked to change a configuration using a GUI on a Windows server, but does not have access to a KVM. Which of the following is BEST to make the change?

A.
SSH

B.
SCP

C.
RDP

D.
NTP

Answer: C
Explanation:

QUESTION NO: 93

Several of the finance department computers are experiencing timeouts while in their financial program. The program will not open or close; however, the previous day the program was running without issues. Which of the following is MOST likely the cause of this problem?

A.
Service priority

B.
Rogue processes

C.
Firewall problem

D.
Processor affinity

Answer: B
Explanation:

QUESTION NO: 94

A system administrator is troubleshooting a network connectivity issue and runs ipconfig/all on the host. The command returns the following:

IPv4 Address: 169.254.0.12

Subnet mask: 255.255.0.0

The client is configured for DHCP. Which of the following commands should be run on the client to

resolve this issue? (Select TWO).

A.
ipconfig/release

B.
tracert

C.
ipconfig/flushdns

D.
ipconfig/renew

E.
ipconfig/showclassid

F.
nslookup

Answer: A,D
Explanation:

QUESTION NO: 95

A technician is assigned a task to configure a new server with six hard drives. The senior administrator requested the technician utilize the drives for maximum fault tolerance. Which of the following RAID configurations should the technician use?

A.
RAID 3

B.
RAID 5

C.
RAID 10

D.
RAID 0

Answer: C
Explanation:

QUESTION NO: 96

Two RAID arrays are created from eight disks. One is created using RAID 6, the other is created using RAID 5 with a hot spare. Which of the following is the operational difference between these configurations?

A.
RAID 6 has the ability to recover from two disks simultaneously failing.

B.
The RAID 5 array will be significantly faster than the RAID 6 array.

C.
The RAID 6 array will be significantly faster than the RAID 5 array.

D.
RAID 6 has a higher storage capacity than RAID 5.

Answer: A
Explanation:

QUESTION NO: 97

A datacenter technician encounters a power receptacle labeled NEMA L5-30. Which of the following powers is this socket rated for?

A.
115v 30 amp

B.
208v 30 amp

C.
220v 1 phase

D.
440v 3 phase

Answer: A
Explanation:

QUESTION NO: 98

A technician is experiencing overheating on a rack mounted server. After powering off and removing the cover of the server, a large amount of dust is noticed on one of the fans. After cleaning out the dust and powering the server back on, the server is still overheating. Which of the following would BEST explain this issue?

A.
The power supply has failed.

B.
The server is using excessive power.

C.
The hard drives are running too hot.

D.
Some of the cooling fans are defective.

Answer: D
Explanation:

QUESTION NO: 99

A technician notices a rack mounted server is beeping without booting up. The NEXT step to diagnose this issue would be to:

A.
continue to power cycle the server until it boots normally.

B.
count the beeps and reference the service manual.

C.
disable the alarm within the server.

D.
install the server into a different rack.

Answer: B
Explanation:

QUESTION NO: 100

A server technician has been tasked with purchasing cables and connectors for a new server room. The server room consists of one switch, two servers, and one IP telephone. Which of the following types of cables and connectors should the technician purchase?

A.
Coaxial cable and BNC connectors

B.
Straight through Ethernet cable and RJ-45 connectors

C.
Silver satin and RJ-11 connectors

D.
Crossover Ethernet cable and RJ-11 connectors

Answer: B
Explanation:

QUESTION NO: 101

Which of the following is a basic difference between DAS and NAS?

A.
NAS requires fibre channel; DAS does not.

B.
NAS is faster than DAS when using NFS.

C.
DAS operates its own OS; NAS does not.

D.
DAS is directly connected to a server; NAS is connected via IP networking.

Answer: D
Explanation:

QUESTION NO: 102

A technician is tasked with providing network-based high availability to a pair of identical web servers. Which of the following minimum server NIC configurations fulfills these requirements?

A.

Two physical NICs per server: one NIC configured for multicast and one for broadcast.

B.

One physical NIC per server: each individual NIC configured for network load balancing.

C.

Two physical NICs per server: one NIC for network traffic, and one for web traffic.

D.

One physical NIC per server: each NIC configured with the same MAC and IP address.

Answer: B
Explanation:

QUESTION NO: 103

A system administrator is concerned with employees connecting removable storage to the server to copy sensitive data. Which of the following solutions addresses this concern?

A.
Disable write access

B.
Disable WOL

C.
Disable TPM

D.
Disable physical ports

Answer: D
Explanation:

QUESTION NO: 104

Which of the following is a reason to have a remote cold site readily available in case of a disaster in the primary datacenter?

A.

It provides a company with a redundant location that mirrors the primary datacenter hardware but requires no data restoration.

B.

It provides a company with a backup location to install the necessary equipment to restore critical services.

C.

It provides a company with a backup location equipped with resources necessary for immediate restoration of critical services.

D.

It provides a company with a redundant location that mirrors the primary datacenter hardware and data.

Answer: B
Explanation:

QUESTION NO: 105

A server in a small company functions as a print server. Suddenly it stops sending print jobs to the printers. A technician verifies that the printers are working correctly. Additionally, the print spooler had been restarted and is running on the server, it is accessible from workstations, and it shows as being ready to accept print jobs. Which of the following has MOST likely caused the print server to stop processing print jobs?

A.
The print quota has been exceeded.

B.
The server needs an updated print driver.

C.
The server needs pooling enabled.

D.
The server's hard drive is out of space.

Answer: D

Explanation:

QUESTION NO: 106

A mission critical server has faulted with a dead 66 MHz 3.3V PCI-X network interface card. The system administrator has been directed to get the server functional as soon as possible, even if it is connected with less bandwidth. There are no onsite spare cards available and the vendor does not expect to have the parts for at least a week. Which of the following immediately available NICs could be substituted instead?

A.
33 MHz 3.3V PCI

B.
66 MHz 5V PCI

C.
266 MHzx 3.3V PCI-X

D.
533 MHz 5V PCI-X

Answer: A
Explanation:

QUESTION NO: 107

Which of the following is the MOST energy efficient way of powering equipment within a datacenter with a large UPS battery bank?

A.
48V DC

B.
120V single-phase

C.
240VAC 3-phase

D.
480V 3-phase

Answer: A
Explanation:

QUESTION NO: 108

A server is giving a fault code indicating that a RAM chip is producing errors and should be replaced. According to best practices, which of the following is the proper sequence of steps to replace the faulty module?

A.
Attach ESD protection, open server case, replace module, close server case, baseline configuration

B.
Open server case, baseline configuration, attach ESD protection, replace module, close server case

C.
Attach ESD protection, baseline configuration, open server case, replace module, close server case

D.
Open server case, replace module, attach ESD protection, close server case, baseline configuration

Answer: A
Explanation:

QUESTION NO: 109

Which of the following protocols is used primarily for monitoring and managing network devices?

A.
SNMP

B.
SMTP

C.
FTPS

D.

NTP

Answer: A
Explanation:

QUESTION NO: 110

A number of users are indicating that access to a network file server is responding very slowly when reading or writing to the share. The server administrator notes that a drive has failed in a four-disk RAID 5 array. The array is running in a degraded state because no hot spare was configured. After replacing the failed disk, which of the following steps would be BEST to take to prevent slow response after a drive failure?

A.
Add a drive to the array, but do not configure it as a hot spare.

B.
Add an additional hard drive, and convert the volume to a RAID 6 configuration.

C.
Add an additional hard drive, and convert the volume to a RAID 10 configuration.

D.
Add a drive to the array, and configure it as a cold spare.

Answer: B
Explanation:

QUESTION NO: 111

A server has been assigned a role of mail server. Which of the following services will be installed as a result of this selection?

A.
SNMP

B.
SMTP

C.
TCP

D.
DHCP

E.
SFTP

Answer: B
Explanation:

QUESTION NO: 112

Which of the following server types stores the list of network usernames and passwords required for authentication?

A.
File server

B.
Directory

C.
DHCP

D.
SNMP

Answer: B
Explanation:

QUESTION NO: 113

A company is being audited by its operating system vendor. The company needs to report the number of operating systems in use, the versions of the operating systems, and the product keys. Which of the following will be MOST helpful in passing the audit?

A.
Asset management documentation

B.
Change management logs

C.

Service manuals

D.

Server baselines

Answer: A

Explanation:

QUESTION NO: 114

A system administrator notices that there is a low level of available storage space on a file server. Which of the following should be implemented to limit the amount of storage space users can utilize on the file server?

A.

Disk shadowing

B.

Disk compression

C.

Disk quota

D.

Disk indexing

Answer: C

Explanation:

QUESTION NO: 115

Which of the following is the MOST secure to erase data before disposal of server hard drives?

A.

Hard wipe

B.

Reformat

C.

Degaussing

D.
Delete partitions

Answer: C
Explanation:

QUESTION NO: 116

Users in the accounting department report that they are unable to access a shared network drive used by all departments. Upon troubleshooting, a technician determines that three users in the marketing department, two in sales, five in human resources, and ten in IT are all successfully accessing the shared network drive. Which of the following is MOST likely causing the issue?

A.
Corrupt user profiles

B.
Incorrect NTFS group permissions

C.
The share is unsecured

D.
Excessive page filing on server

Answer: B
Explanation:

QUESTION NO: 117

A network administrator is tasked to set up zoning for a SAN infrastructure that requires redundancy. Which of the following types of hardware should the administrator implement?

A.
Multiple VLANs

B.
Multiple host nodes

C.

Multiple HBAs

D.

Multiple routers

Answer: C

Explanation:

QUESTION NO: 118

Which of the following will protect data loss against catastrophic multiple physical drive failure?

A.

RAID 10

B.

Snapshot

C.

Tape backup

D.

RAID 5

Answer: C

Explanation:

QUESTION NO: 119

The logs on a server in a datacenter indicate that the server unexpectedly shut down minutes after the night cleaning crew started their shift. Which of the following is the MOST likely reason for the shut down?

A.

A hard disk on the server failed.

B.

A power surge occurred.

C.

The CPU on the server overheated.

D.
A memory module on the server failed.

Answer: B
Explanation:

QUESTION NO: 120

A technician reads a hardware manufacturer's blog indicating a critical firmware update is available for the company's file server. Which of the following is the BEST course of action?

A.
Download and install a firmware update from a centralized server.

B.
Download the firmware update and test it on a VM.

C.
Download the firmware update and test it on a non-production server.

D.
Download the firmware update and run it on the company's file server immediately.

Answer: C
Explanation:

QUESTION NO: 121

A system administrator is tasked to set up a file server. The file server must be able to support access control lists and logging for auditing purposes. To meet these requirements, with which of the following file system types should the administrator format the file system?

A.
SMB

B.
NTFS

C.

VMFS

D.
CIFS

Answer: B
Explanation:

QUESTION NO: 122

A user reports that a script \\Server\Share\Runme.bat, which is run on a daily basis, cannot be accessed. Which of the following is the FIRST step to take in resolving this issue?

A.
Check the network cable.

B.
Ping the gateway.

C.
Verify the workstation IP address.

D.
Ping the server.

Answer: D
Explanation:

QUESTION NO: 123

After a migration to a new server, users report that they are unable to save files to their home directories. A check of the permissions on the home directories indicate that the permissions are set as follows:

User: r-x

Group: r--

Other: r-x

A server administrator verifies the correct user and group ownership of the home directories.

Which of the following will MOST likely resolve the issue?

A.

Add the w permission for the users.

B.

Add the x permission for the group.

C.

Remove the x permission for other.

D.

Remove the r permission for the group.

Answer: A
Explanation:

QUESTION NO: 124

Which of the following is the MOST complex way to directly reduce heat for computing components?

A.
Liquid cooling units

B.
Integrated high RPM fans

C.
Directed airflow with baffles

D.
Hot aisle/cold aisle

Answer: A
Explanation:

QUESTION NO: 125

A datacenter is in a geologically active area and has no earthquake abatement installed. Which of the following drive types is BEST for general server use?

A.
Solid state drives

B.
High RPM drives

C.
Low RPM drives

D.
USB drives

Answer: A
Explanation:

QUESTION NO: 126

Which of the following server types requires the LARGEST amount of available hard drive space?

A.
Database server

B.
Remote access server

C.
Print server

D.
Directory server

Answer: A
Explanation:

QUESTION NO: 127

A user is unable to save a new presentation to the network U:\ drive. The error message indicates that there is no available space. Other users in the department are not experiencing any problems saving to the U:\ drive. Which of the following is the MOST likely cause of this issue?

A.

The user does not have permissions to use the U:\ drive.

B.

The user's disk quota has been exceeded on the U:\drive.

C.

The user's local drive is out of space.

D.

The user does not have the U:\ drive mapped.

Answer: B

Explanation:

QUESTION NO: 128

A technician is configuring switches with SFP ports on multiple floors in a building. A switch on the first floor must be connected to a switch on the second floor for trunking VLAN traffic. Which of the following would be the MOST appropriate cable type for the technician to use?

A.

Multimode fiber

B.

Coaxial cable

C.

CAT5e rollover

D.

CAT6 straight through

Answer: A

Explanation:

QUESTION NO: 129

A system administrator is tasked to setup a database server with failover clustering feature enabled. One of the requirements is to have one database running at all times with data being synchronized and replicated to the idle database in case the primary database server fails. Both servers will be monitored by a witness on a LUN. Which of the following cluster techniques should be implemented to meet these requirements?

A.
Active/Active

B.
Active/Passive

C.
Single Local Quorum

D.
Passive/Passive

E.
Shared Multiple Quorum

Answer: B
Explanation:

QUESTION NO: 130

A server technician is tasked to replace a RAID controller battery on a server. The server technician has no prior experience replacing a RAID controller battery. Which of the following should the server technician do to obtain the required knowledge or procedures to replace the battery?

A.
Review software specifications

B.
Review architecture diagrams

C.
Review service manuals

D.
Review service logs

Answer: C
Explanation:

QUESTION NO: 131

In a Windows environment, a user is able to access the network folder and open items, but is not able to delete anything. Which of the following folder permissions does the user require?

A.
Execute

B.
Read

C.
Write

D.
Modify

Answer: D
Explanation:

QUESTION NO: 132

A system technician is tasked with destroying several hard drives that contain PII. Which of the following would be the BEST method for disposing of the drives?

A.
Shred the hard drives.

B.
Complete a hard wipe.

C.
Perform a soft wipe.

D.
Delete the partition table.

Answer: A
Explanation:

QUESTION NO: 133

A technician needs to install six blade servers. Which of the following MUST a technician install

along with the blades?

A.
Blade rail kits

B.
Blade shelves

C.
Blade enclosure

D.
Blade station

Answer: C
Explanation:

QUESTION NO: 134

A server repeatedly crashes with a BSOD when running an application that uses a high amount of system resources. Which of the following hardware components MOST likely needs to be checked by a technician?

A.
Memory

B.
Hard drive

C.
RAID controller

D.
CPU

Answer: A
Explanation:

QUESTION NO: 135

In authentication, which of the following represents something you have?

A.
Password

B.
Fingerprint

C.
Token

D.
PIN

Answer: C
Explanation:

QUESTION NO: 136

A technician troubleshooting a mail server determines that the server is low on available hard drive space and needs an additional hard drive installed. The server will need to be offline for the hardware installation. Which of the following troubleshooting steps should the technician do NEXT?

A.
Notify impacted users of the scheduled maintenance.

B.
Implement one change at a time.

C.
Collect additional information.

D.
Document findings, actions, and outcomes.

Answer: A
Explanation:

QUESTION NO: 137

In a PKI, which of the following represents the top level of a certificate authority?

A.

Root CA

B.

Intermediate CA

C.

Subordinate CA

D.

Delegated CA

Answer: A

Explanation:

QUESTION NO: 138

A server has a faulty hard drive, and the administrator needs to replace the hard drive while it is running. The server needs to support which of the following drives?

A.

Hot swappable

B.

Hot spare

C.

SAS

D.

USB

E.

Firewire

Answer: A

Explanation:

QUESTION NO: 139

After successfully authenticating to a remote server, a server administrator is presented with an interactive command line with no graphical interface. Which of the following protocols did the

administrator MOST likely use to securely connect to the remote server?

A.
SSH

B.
Bash

C.
Telnet

D.
FTP

Answer: A
Explanation:

QUESTION NO: 140

A company has 700 servers installed in 50 server racks in the datacenter. The Chief Technology Officer issued a memorandum to the IT department with a directive to reduce power and cooling consumptions by 50% in the datacenters. Which of the following should the system administrators recommend?

A.
Implement 208V 3-phase servers

B.
Implement hot aisle / cold aisle

C.
Virtualize the servers in the datacenter

D.
Replace each server with a blade server

Answer: C
Explanation:

QUESTION NO: 141

Which of the following protocols can be used to query for host, user, and group information for clients?

A.
LDAP

B.
DNS

C.
DHCP

D.
SNMP

E.
SCP

Answer: A
Explanation:

QUESTION NO: 142

A technician is backing up 10 GB of data on a file server to a 250 GB external USB hard drive. After 4 GB has been backed up, the software generates an error that the size of the backup exceeds the file limit. Which of the following file system types is being used?

A.
FAT32

B.
NTFS

C.
VMFS

D.
ZFS

Answer: A
Explanation:

QUESTION NO: 143

A system administrator is tasked to enable authentication on a web server's login page. One of the requirements for the web server is to encrypt authenticated sessions over HTTP protocol for all static HTML pages. Using the information supplied, which of the following default port numbers should be used to satisfy these requirements?

A.
53

B.
8080

C.
143

D.
443

Answer: D
Explanation:

QUESTION NO: 144

An administrator decides to implement access control techniques to secure a datacenter. Which of the following would be the STRONGEST technique for the administrator to use?

A.
Multifactor authentication

B.
RFID chip

C.
Cipher locks

D.
Bollards

Answer: A
Explanation:

QUESTION NO: 145

An administrator needs to create two websites. One website must only be used by internal users and the other website must be a corporate website accessible externally by customers. Which of the following website types is needed?

A.
Extranet for users and intranet for customers

B.
Internet for users and extranet for customers

C.
Intranet for users and extranet for customers

D.
Extranet for users and extranet for customers

Answer: C
Explanation:

QUESTION NO: 146

A host server in a small business environment does not have virtual switching configured. The NIC on a guest is configured with an IP address that is on a different subnet from the host server. Which of the following would MOST likely happen in this case?

A.
The guest will not have network access to the host or network resources.

B.
The guest would have access to all network resources.

C.
The guest would have network access to everything but the host.

D.
The guest will have network access to the host server.

Answer: A
Explanation:

QUESTION NO: 147

A system administrator has a database server that crashes at random times. No changes have been made to either the server's software or hardware. Which of the following is the FIRST step the administrator should take towards resolving this issue?

A.
Establish an action plan.

B.
Perform a root cause analysis.

C.
Document the findings.

D.
Identify the problem and scope.

Answer: D
Explanation:

QUESTION NO: 148

An administrator was tasked to enforce disk quotas on the Windows file server. The administrator allocated 1GB of space to each user. A month later, the users were still able to save beyond 1GB. Which of the following check boxes should have been selected?

A.
Enable compression

B.
Prohibit read/write if limit is reached

C.
Deny access if limit is reached

D.
Log an event if disk space is reached

Answer: C
Explanation:

QUESTION NO: 149

A network administrator installs a new web server and notices that the server was configured with one quad-port NIC. In order to properly provision the hardware resources, how should the NIC be configured?

A.
Assign at least one IP address to each port

B.
Assign multiple IP addresses to one port

C.
Assign one IP address to the quad-port NIC

D.
Assign a single IP address to all four ports

Answer: A
Explanation:

QUESTION NO: 150

Which of the following graphically depicts the movement of information within a system?

A.
Site survey diagram

B.
Dataflow diagram

C.
Architectural diagram

D.
Network diagram

Answer: B
Explanation:

QUESTION NO: 151

A system administrator has just performed a backup. Which of the following should the administrator perform to easily identify the backup tape?

A.
Label the tape

B.
Mount the tape in the drive

C.
Place the tape in the rack

D.
Update the site log

Answer: A
Explanation:

QUESTION NO: 152

A technician is tasked with creating a test system containing non-critical data. The technician has limited hardware, but needs maximum performance. Which of the following RAID levels should the technician use?

A.
0

B.
1

C.
5

D.
10

Answer: A
Explanation:

QUESTION NO: 153

An older server has performance problems writing files to a RAID array. After checking for failed drives, no problems are found. Which of the following should be checked NEXT?

A.
The cooling system

B.
The cache battery

C.
The hard drive tray

D.
The hard drive cables

Answer: B
Explanation:

QUESTION NO: 154

Which of the following factors would cause a technician to select a hard drive over an SSD as a primary storage medium?

A.
Speed

B.
Power consumption

C.
Form factor

D.
Cost

Answer: D
Explanation:

QUESTION NO: 155

Which of the following describes a rack mounted server that is 2 rack units (2U) in height?

A.
2.5 inches (6.35 cm)

B.
3.0 inches (7.62 cm)

C.
3.5 inches (8.89 cm)

D.
4.0 inches (10.16 cm)

Answer: C
Explanation:

QUESTION NO: 156

Which of the following describes an alternate site where only the infrastructure (building, power, cooling) has been established?

A.
Mirror site

B.
Warm site

C.
Hot site

D.
Cold site

Answer: D
Explanation:

QUESTION NO: 157

An administrator has a UPS rated at 200 amps per hour. Which of the following is the maximum runtime of this UPS when hooked up to a server drawing 400 amps per hour?

A.

15 minutes

B.
30 minutes

C.
60 minutes

D.
120 minutes

Answer: B
Explanation:

QUESTION NO: 158

A technician is tasked by an administrator to patch a virtual machine. The technician needs to ensure that in case of failure, recovery of the virtual machine will be possible. Which of the following recovery principles should the technician employ?

A.
Incremental

B.
Snapshot

C.
Bare metal

D.
Selective

Answer: B
Explanation:

QUESTION NO: 159

An administrator would like to determine what port and services are running locally on a server. Which of the following Windows command lines and shell tools should the administrator use? (Select THREE).

A.

get-services

B.

show ports

C.

sc query

D.

netstat

E.

vmstat

F.

show services

Answer: A,C,D

Explanation:

QUESTION NO: 160

Which of the following is the number of 7-inch high servers that can be installed in a 42U rack?

A.

4

B.

5

C.

10

D.

12

Answer: C

Explanation:

QUESTION NO: 161

A server administrator has been given the following information from the network team in order to configure IP addresses on a new server:

Network Address: 199.90.10.32/28

The network team also instructed the server administrator to use the LAST usable address on the given network. Which of the following IP address/subnet mask combinations should the server administrator use?

A.
199.90.10.49, 255.255.255.240

B.
199.90.10.47, 255.255.255.224

C.
199.90.10.47, 255.255.255.240

D.
199.90.10.48, 255.255.255.240

Answer: C
Explanation:

QUESTION NO: 162

A technician performs monthly backups on a file server to a NAS device that can hold 1TB of data. The size of the monthly backups has been as follows:

Month 1 = 50GB

Month 2 = 65GB

Month 3 = 80GB

Starting with Month 1, based on the current rate of growth, in how many months will the NAS run out of available storage space?

A.
4

B.
5

C.
9

D.
11

Answer: C
Explanation:

QUESTION NO: 163

A technician is installing a rack mounted server into a rack in a datacenter with CRAC units and blanking panels. Blanking panels are used to:

A.
lower the UPS power requirements.

B.
limit airflow leakage in the rack.

C.
limit the amount of servers that will fit into the rack.

D.
color match the server color.

Answer: B
Explanation:

QUESTION NO: 164

An administrator has been tasked with consolidating six individual servers into one blade enclosure. The administrator completed the task successfully. A week later, all of the blades would not boot properly. Which of the following would MOST likely be causing this issue?

A.
The blade servers are faulty.

B.
The network module on the blade enclosure is faulty.

C.
The backplane of the enclosure is faulty.

D.

The management modules in the enclosure are faulty.

Answer: C

Explanation:

QUESTION NO: 165

An administrator purchases a new server, which contains only one Xeon processor. This server is also known as a:

A.

load balancing server.

B.

multicore server.

C.

redundant server.

D.

single-core server.

Answer: B

Explanation:

QUESTION NO: 166

A technician is concerned about memory data corruption in a server. Which of the following memory types should be considered?

A.

Static

B.

SDRAM

C.

Dynamic

D.

ECC

Answer: D
Explanation:

QUESTION NO: 167

A server administrator wants to upgrade the memory of the server using two memory modules. The server has two banks of memory with the following slots available: A2, A3, A4, B2, B3, and B4. In which of the following two slots should the administrator install the additional RAM?

A.
Slots A2 and A3

B.
Slots A2 and B2

C.
Slots A2 and B4

D.
Slots B2 and B3

Answer: B
Explanation:

QUESTION NO: 168

A technician is upgrading the memory in a server. The server requires DDR3 Registered DIMMs. The server has four banks of three slots for memory and currently there is one 2GB module in each bank. When the technician attempts to add eight more 4GB modules of DDR3 unbuffered ECC memory, the memory does not fit in the slots. Which of the following is the cause of this issue?

A.
In a bank, 2GB and 4GB memory cannot be mixed.

B.
The server cannot use ECC memory.

C.

The server requires fully buffered memory.

D.
The total memory on the server cannot exceed 24GB of RAM.

Answer: C
Explanation:

QUESTION NO: 169

Which of the following power plug types would MOST likely be found in a medical facility?

A.
Tip/Ring/Sleeve

B.
Speed lock

C.
Tip/Ring

D.
Twist lock

Answer: D
Explanation:

QUESTION NO: 170

Which of the following is a benefit of using raised floors with specially configured tiles in a server room?

A.
To provide for heat dissipation using forced air through the sub-floor.

B.
To provide for liquid cooling systems through the sub-floor.

C.
To provide a location for baffles or shrouds in the sub-floor.

D.

To provide a location for redundant power supplies in the sub-floor.

Answer: A

Explanation:

QUESTION NO: 171

A technician is installing a 2U rack mount server. The necessary rack space height to accommodate the server is:

A.

2.5 inches (.064 meter).

B.

3.0 inches (.076 meter).

C.

3.5 inches (.089 meter).

D.

4.0 inches (.10 meter).

Answer: C

Explanation:

QUESTION NO: 172

A system technician is asked to create a test environment that will consist of 45 computers and a file server. Which of the following types of servers is BEST suited for IP management in the lab network?

A.

Domain Name Service

B.

Window Internet Naming Services

C.

Dynamic Host Configuration Protocol

D.
Routing and Remote Access

Answer: C
Explanation:

QUESTION NO: 173

Which of the following server types is commonly used for authentication and credential storage?

A.
File server

B.
Directory server

C.
Web server

D.
DNS server

Answer: B
Explanation:

QUESTION NO: 174

Which of the following services provide hostname to IP address resolution? (Select TWO).

A.
NTP

B.
NAT/PAT

C.
DHCP

D.
DNS

E.
WINS

F.
LDAP

Answer: D,E
Explanation:

QUESTION NO: 175

A server technician needs to access a remote Unix server for administration. The technician has requested that ports 23, 25, and 161 be opened on the router. After the ports are opened, the technician is still unable to connect to the Unix server. Which of the following ports should be opened on the server to allow for remote administration?

A.
TCP 21

B.
TCP 22

C.
UDP 69

D.
TCP 3389

Answer: B
Explanation:

QUESTION NO: 176

While performing routine testing of a hot standby site located at a remote hosting center, a system administrator is unable to access one of the server operating systems to verify functionality. Which of the following is MOST applicable to access the host?

A.
KVM over IP

B.

RDP over HTTP

C.
Secure shell

D.
Serial console access

E.
VNC

Answer: A
Explanation:

QUESTION NO: 177

An administrator needs to control servers locally via a console. The administrator wants a rack mounted solution for easy access. Which of the following should be installed?

A.
iDRAC

B.
KVM

C.
ILO

D.
RDP

Answer: B
Explanation:

QUESTION NO: 178

A technician is tasked with creating servers that are fault tolerant and highly available. Which of the following would be the BEST solution for this task?

A.
Load balancing

B.
Virtualization

C.
Clustering

D.
Round robin

Answer: C
Explanation:

QUESTION NO: 179

A technician is asked to troubleshoot a hardware alert on a server. The server is up and running and all users can access their data. Which of the following could the technician use to find the failed component? (Select TWO).

A.
LEDs

B.
Dataflow diagram

C.
Power supply tester

D.
LCD messages

E.
Cabling diagram

Answer: A,D
Explanation:

QUESTION NO: 180

A server administrator is creating a design for a new datacenter. The servers should be configured for maximum availability and also provide caching for user information requests. Which of the following techniques should be used?

A.
Active/Passive

B.
Round robin

C.
Heartbeat

D.
Active/Active

E.
Passive/Passive

Answer: D
Explanation:

QUESTION NO: 181

A company is planning to replace old hardware and needs to budget accordingly. Which of the following is likely to contain a list of end of life servers?

A.
The server's warranty information.

B.
The server's life cycle schedule.

C.
The asset management database.

D.
The software licensing agreement.

Answer: C
Explanation:

QUESTION NO: 182

Historical data shows that on average, a server is likely to fail once every nine months. A company has purchased 24x7, four hour hardware response to replace a server's failed hardware.

Additionally, the company can restore a server to its operational status within six hours from the time the failed hardware has been replaced. Which of the following describes this scenario?

A.

The company's MTTR is ten hours.

B.

Individual servers have 99.999% uptime.

C.

Service can be restored within four hours.

D.

The operational SLA is six hours.

Answer: A
Explanation:

QUESTION NO: 183

A system administrator is given a server with an existing OS installed and four empty SAS bays. The system administrator is asked to set up a new data drive for testing with 100GB of data. For the best possible performance, which of the following should the system administrator select for the data storage?

A.
SCSI

B.
SATA

C.
Solid state drive

D.
Flash drive

Answer: C
Explanation:

QUESTION NO: 184

A server administrator has been asked to make recommendations for purchase of a new database server that will be processing all of the company accounts. One area of concern from prior experience is the storage type used by the database server. The server is expected to have a large number of transactions that occur, but will not require a large amount of capacity for the data storage. Given these requirements, which of the following storage criteria are MOST important? (Select TWO).

A.
Capacity

B.
RPM

C.
IOPS

D.
Seek time and latency

E.
Form factor

F.
Bus width

Answer: C,D
Explanation:

QUESTION NO: 185

An administrator has been tasked with making recommendations for purchasing new disks for a low I/O file server. Keeping in mind that budget and capacity are the primary concerns, which the following disk types should the administrator recommend?

A.
SATA

B.
FC

C.
SCSI

D.
SAS

Answer: A
Explanation:

QUESTION NO: 186

When looking at an organization's file server configuration, an IT manager determines that several outages are tied to a lack of redundancy in the disk controller configuration. Which of the following features would the IT manager look for in a new configuration to correct this?

A.
Disk shadowing

B.
RAID 0

C.
Remote journaling

D.
Electronic vaulting

E.
Disk duplexing

Answer: E
Explanation:

QUESTION NO: 187

A new server has two drives and a RAID controller. Which of the following is an option for configuring the storage on this server?

A.
RAID 0

B.
RAID 5

C.
RAID 6

D.

RAID 10

Answer: A
Explanation:

QUESTION NO: 188

A technician is installing a server using a two-channel RAID controller, using RAID1 for the first channel and RAID5 for the second channel. If the technician has six 1TB disks total, how will this configuration look?

A.
One disk RAID1, five disks RAID5

B.
Two disks RAID1, four disks RAID5

C.
Three disks RAID1, three disks RAID5

D.
Four disks RAID1, two disks RAID5

Answer: B
Explanation:

QUESTION NO: 189

A server administrator implements external storage for a file server. At a later time, another administrator wants to extend this storage to a second server but is unable to connect to two servers simultaneously. Which of the following storage types was implemented by the first administrator?

A.
DAS

B.
NAS

C.
VSAN

D.
SAN

Answer: A
Explanation:

QUESTION NO: 190

A technician is tasked with connecting a server to a NAS. Which of the following connection types should be used?

A.
HBA

B.
Ethernet

C.
Fiber Fabric

D.
Multiplexer

Answer: B
Explanation:

QUESTION NO: 191

When using multifactor authentication, which of the following represents "something you have"?

A.
A password

B.
A PIN

C.
A fingerprint

D.
An ID card

Answer: D
Explanation:

QUESTION NO: 192

A datacenter audit finds that a number of personnel are not using access cards when entering a secured area with a coworker. Which of the following security methods could be implemented to help prevent this behavior?

A.
Mantrap

B.
Keypad

C.
Smart card

D.
Security camera

Answer: A
Explanation:

QUESTION NO: 193

A technician would like to restrict when internal hardware components on the server are accessed. Which of the following server hardening techniques should the technician implement?

A.
Intrusion detection

B.
BIOS password

C.
Chassis lock

D.
Disabled WOL

Answer: C
Explanation:

QUESTION NO: 194

An email administrator is tasked to setup a Linux mail server. One of the requirements is to close all ports except SSH, HTTPS, SMTP, POP3, and IMAP4. Which of the following commands should be used to see which ports are currently open on the mail server? (Select TWO).

A.
lsof

B.
netstat

C.
ipconfig

D.
traceroute

E.
ping

F.
dig

Answer: A,B
Explanation:

QUESTION NO: 195

Which of the following authentication protocols could be used to authenticate network administrators at a datacenter to manage switches over a remote SSH connection? (Select TWO).

A.
LDAP

B.
TACACS

C.

RADIUS

D.
SNMP

E.
IPSec

F.
MSCHAP

Answer: B,C
Explanation:

QUESTION NO: 196

An administrator is building a web server to host an online banking application. The server should not have access to the internal network, and only ports that are used by the application should be opened. Which of the following MUST be implemented to meet the business requirements?

A.
Add the server to the internal network and use IPSec to encrypt communication between the web server and other devices.

B.
Use an ISA server to block access to the internal network.

C.
Use VPN to block all ports that are not used by the application.

D.
Use the company firewall to block all ports that are not used by the application.

Answer: D
Explanation:

QUESTION NO: 197

A server administrator is configuring access control on a file server for an organization. The Human Resources manager is taking a leave of absence for three months, during which time an interim Human Resources manager will take over the duties of the position. Which of the following types of access control should be configured on the file server?

A.
MAC

B.
CBAC

C.
DAC

D.
RBAC

Answer: D
Explanation:

QUESTION NO: 198

Which of the following methods should be used when classified or sensitive data is stored on a server?

A.
Directory encryption

B.
Whole disk encryption

C.
File encryption

D.
Partition encryption

Answer: B
Explanation:

QUESTION NO: 199

A technician working in the datacenter has finished racking a new 4U server into a new rack. Which of the following should the technician do to allow for hot/cold aisle containment?

A.

Close the perforated floor tile in front of the new rack.

B.

Reset the rack temperature and humidity control.

C.

Install blanking panels in the rack.

D.

Lower the temperature of the data center HVAC.

Answer: C

Explanation:

QUESTION NO: 200

Two technicians are asked to install a 6U server at location U25 in a 40U server rack. The rack has been properly stabilized to the floor. Which of the following tools would BEST be used to install the server?

A.

A static strap.

B.

A server lift.

C.

A PDU.

D.

A UPS.

Answer: B

Explanation:

QUESTION NO: 201

A new file server is added to an existing network. Some users are able to connect to this server, while others are not. A partial network configuration on the server shows the following:

Link local: fe80::3000:aff:dea6:f8c/64

Which of the following BEST explains why some users cannot connect to the server?

A.

The users' workstations are configured to use DHCP.

B.

The users' workstations do not support IPv6.

C.

The users' workstations are not on the same network as the server.

D.

The user's workstations are configured with an incorrect subnet mask.

Answer: B
Explanation:

QUESTION NO: 202

A server technician is updating the operating system on a server. Currently, the server is running the following services:

DHCP

WINS

DNS

HTTP

The updated server will be used to allow clients to access Web services, resolve host names to IP addresses for mobile iOS clients, and provide network access to thin clients running a Linux operating system. Which of the following services can be removed?

A.
DHCP

B.
WINS

C.
DNS

D.
HTTP

Answer: B
Explanation:

QUESTION NO: 203

A server administrator is bringing a new host online. After the initial OS installation and configuration, the administrator is unable to reach hosts on another subnet. The administrator is able to ping and access other hosts on the same subnet. Which of the following should the administrator check FIRST?

A.
Default gateway

B.
Netmask

C.
DNS A (AAAA) record

D.
DNS reverse lookup entry

Answer: A
Explanation:

QUESTION NO: 204

Which of the following services provides users with directory services?

A.
IMAP

B.
LDAP

C.
SFTP

D.
DHCP

E.

DNS

Answer: B

Explanation:

QUESTION NO: 205

In order for a server to fully function as a web server, which of the following default ports should be open? (Select TWO).

A.
22

B.
80

C.
443

D.
445

E.
631

F.
8080

Answer: B,C

Explanation:

QUESTION NO: 206

Which of the following default ports should be open on a server for remote administration?

A.
TCP 25

B.
TCP 389

C.
TCP 3128

D.
TCP 3389

Answer: D
Explanation:

QUESTION NO: 207

Employees working for a company were harmed by toxic fumes during a fire. To prevent this from reoccurring, which of the following cable types is SAFEST to use?

A.
CAT6 cables

B.
Plenum cables

C.
Fiber cables

D.
Coaxial cables

Answer: B
Explanation:

QUESTION NO: 208

The shortest time to recovery method in the event of a complete datacenter failure is to utilize a:

A.
warm site.

B.
hot site.

C.
cold site.

D.

private cloud.

E.

hybrid cloud.

Answer: B
Explanation:

QUESTION NO: 209

Which of the following replication methods is MOST appropriate when integrating data from multiple remote offices?

A.
Server to client

B.
Server to server

C.
Site to site

D.
Disk to disk

Answer: C
Explanation:

QUESTION NO: 210

Server A hosts a mission-critical business application. The server has one disk and one NIC. The administrator has been asked to implement a solution to meet the business requirement that the application must maintain high availability, even in case of a hardware failure. Which of the following BEST meets this requirement?

A.
Configure failover clustering using Server A and a new server.

B.
Add multiple disks on the server and configure RAID 5.

C.

Add an additional NIC and configure the NIC as standby.

D.

Move the application to another server that has more resources.

Answer: A

Explanation:

QUESTION NO: 211

A user accidentally deleted a critical file. A technician tries to restore it from tape backup but receives an error that the file does not exist on the tape. Which of the following should the technician do FIRST?

A.

Verify that the correct tape is in the tape drive.

B.

Re-index the tape library.

C.

Schedule a differential backup to run now.

D.

Update the tape drive firmware.

Answer: A

Explanation:

QUESTION NO: 212

An administrator is validating disaster recovery mechanisms and wants to ensure backup data is usable and accurate. Which of the following should the administrator do?

A.

Backup verification and test restorability

B.

Label media for all backups

C.

Secure backup in safe location

D.

Keep all backups onsite close to the server

Answer: A
Explanation:

QUESTION NO: 213

Which of the following troubleshooting methods would be performed after resolving an issue?

A.
Verify system connectivity

B.
Implement the solution

C.
Document findings

D.
Establish theory

Answer: C
Explanation:

QUESTION NO: 214

A technician is working on a server that is experiencing network connectivity issues. The technician replaces the NIC on the server, but this does not resolve the issue. Which of the following troubleshooting steps should the technician do NEXT?

A.
Establish a new theory of probable cause

B.
Perform a root cause analysis

C.

Document findings, actions, and outcomes

D.
Identify additional changes to the server

Answer: A
Explanation:

QUESTION NO: 215

A blade server indicates it has a failed hard disk in Slot 0. This is the third instance of Slot 0 disk failure in three months. Which of the following is the MOST likely cause of the failed hard disk in Slot 0?

A.
Host bus adapter

B.
Backplane

C.
Network interface card

D.
Central Processing Unit

Answer: B
Explanation:

QUESTION NO: 216

After starting an operating system installation from DVD, a system administrator goes to work on another task and comes back to find the server back at the installation start screen. Which of the following should be done to correct this problem?

A.
Try installation again with a different DVD.

B.
Modify the device boot order in the BIOS.

C.

Monitor the operating system installation process completely this time.

D.

Swap the hard drive with a known working one.

Answer: B
Explanation:

QUESTION NO: 217

A server with a number of graphics cards installed was recently upgraded with additional graphics cards. Once the server is started, the system powers off unexpectedly. Prior to the upgrade, the server was stable and exhibited no odd behavior. Which of the following is the MOST likely cause of the problem?

A.

The card device drivers are out of date and need to be updated.

B.

The power supply cannot handle the additional power for the new cards.

C.

The operating system does not recognize the new cards.

D.

The cards are not compatible with the other server hardware.

Answer: B
Explanation:

QUESTION NO: 218

A user changed departments from sales to accounting. The user is unable to access the shared network drive containing the accounting department's files. Which of the following should a technician check?

A.
File permissions

B.

Folder redirections

C.
Local group policy

D.
Encryption type

Answer: A
Explanation:

QUESTION NO: 219

A user is unable to save an image file to their home directory on a server. The server technician checks the disk space and ACL on the user's home directory and finds that the user has enough space and required access to write to the directory. Which of the following is the MOST likely reason why the user is unable to save the file?

A.
The user is attempting to save a file with a prohibited file extension.

B.
There are too many open files on the server.

C.
The user does not have permission to save files to the server.

D.
The hard drive containing the user's home directory, is failing.

Answer: A
Explanation:

QUESTION NO: 220

A user in the accounting department reports that print jobs are not printing. A user in the software development department also cannot print to the same printer, but can print to two other printers on different print servers. Which of the following should be the administrator's FIRST step?

A.
Determine whether the server is out of virtual memory.

B.

Check whether the print spooler service has started.

C.

Reboot the print server.

D.

Have the users reboot their workstations.

Answer: B
Explanation:

QUESTION NO: 221

An administrator receives multiple reports that users cannot access a secure website hosted on a server the administrator manages. The administrator investigates and discovers that the reason users cannot access the secure site is because:

A.
port 22 is closed.

B.
port 80 is closed.

C.
port 443 is closed.

D.
port 3389 is closed.

Answer: C
Explanation:

QUESTION NO: 222

Users on multiple network segments report that they are unable to retrieve email from a server. Which of the following commands will allow a server technician to ensure that the email service is running on the server?

A.
ifconfig

B.
ipconfig

C.
nbtstat

D.
netstat

Answer: D
Explanation:

QUESTION NO: 223

A technician has completed the installation and configuration of a third email server. The technician has configured the firewall to permit email traffic, but the mail is only being received by the two older servers. Which of the following should the technician configure to ensure incoming email will be processed by all three servers?

A.
Enable NTP to ensure all three servers are synchronized.

B.
Configure IMAP on the new mail server.

C.
Add the DNS server option in DHCP.

D.
Update the MX record in DNS.

Answer: D
Explanation:

QUESTION NO: 224

A technician has connected a previously formatted ext4 eSATA drive to a Linux server. Given the following output:

Disk /dev/sdb: 1000.2 GB, 1000204886016 bytes

255 heads, 63 sectors/track, 382818 cylinders, total 1953525168 sectors

Units = sectors of 1 * 512 – 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk identifier: 0x0009f31a

Device Boot Start End Blocks Id System

/dev/sdb1 * 20481 953525168 976761560 83 Linux

Which of the following commands should the technician use to make the partition available under /data/drive0?

A.
fdformat -type Linux /dev/sdbl -d /data/drive0

B.
ext2 0x0009f31a /data/drive0

C.
net use /data/drive0 /dev/sdb

D.
mount /dev/sdbl /data/drive0

E.
fdisk -l /data/drive0

Answer: D
Explanation:

QUESTION NO: 225

An administrator sees a message in the system console that a drive is bad in the single-volume JBOD storage array. A few minutes later, a user calls the help desk to report an inability to read a file from a mapped drive. Which of the following should the administrator do?

A.
Swap out the failed drive and let the array rebuild.

B.

Allow the array rebuild automatically using the hotspare.

C.
Replace the failed drive and restore the data from the last backup.

D.
Reseat the failed drive and restore the array using the parity drive.

Answer: C
Explanation:

QUESTION NO: 226

A server has recently been configured as a network firewall. After the firewall was configured, users could no longer access a remote server. Which of the following, if properly configured on the firewall, will allow users to have secure access to the remote server? (Select TWO).

A.
Allow TCP port 21

B.
Allow TCP port 22

C.
Allow TCP port 23

D.
Allow TCP port 25

E.
Allow TCP port 161

F.
Allow TCP port 3389

Answer: B,F
Explanation:

QUESTION NO: 227

Multiple users report that an application attempting to open a file retrieved from a server reports that the file is corrupted. Which of the following applications can be used on the server to verify file

integrity?

A.
Checksum

B.
Port scanner

C.
Cipher

D.
Anti-malware

Answer: A
Explanation:

QUESTION NO: 228

A new version of the primary operating system used by a company has been released. Due to some significant changes in the OS, a system administrator wants to see which remotely accessible services are enabled by default to assess the security risk prior to upgrading to the new version. Which of the following utilities should the administrator use?

A.
Cipher program

B.
Port scanner

C.
Telnet client

D.
Packet sniffer

Answer: B
Explanation:

QUESTION NO: 229

A technician has access to a recent full backup. Data has changed since the last backup. Which of the following provides the fastest restore while minimizing backup size?

A.
Bare metal

B.
Full backup

C.
Differential backup

D.
Incremental backup

Answer: C
Explanation:

QUESTION NO: 230

An administrator thinks that a particular network connection is dropping packets. Which of the following tools would the administrator use to BEST identify where the packets are being dropped?

A.
tracert

B.
ping

C.
nslookup

D.
netstat

Answer: A
Explanation:

QUESTION NO: 231

A new version of the primary OS used by a company has been released. Due to some significant

changes in the OS, a system administrator wants to see which remotely accessible services are enabled by default to access the security risk prior to upgrading to the new version. Which of the following utilities should the administrator use?

A.
Cipher program

B.
Port scanner

C.
Telnet client

D.
Packet sniffer

Answer: B
Explanation:

QUESTION NO: 232

An email administrator is tasked to set up a Linux mail server. One of the requirements is to close all ports except SSH, HTTPS, SMTP, POP3, and IMAP4. Which of the following commands should be used to see which ports are currently open on the email server? (Choose two.)

A.
netstat

B.
ipconfig

C.
traceroute

D.
ping

E.
dig

Answer: A,B
Explanation:

QUESTION NO: 233

A network administrator finds there are several users who cannot access a particular application. The application does not launch for the users. The network administrator finds the server has not been rebooted in 192 days. Which of the following is the MOST likely cause of these issues?

A.
Memory leak

B.
Low resources

C.
Slow OS performance

D.
Service failure

Answer: A
Explanation:

QUESTION NO: 234

A new server has a battery-backed RAID controller built onto the motherboard. Which of the following will occur if the RAID controller fails?

A.
The array configuration information will be lost.

B.
The battery will provide enough power to save the array information.

C.
All data stored on the array is lost.

D.
The array will continue to function in a degraded state.

Answer: B
Explanation:

QUESTION NO: 235

A network administrator is installing additional devices on the network. The network segment is currently utilizing all allocated IP addresses. If there are additional addresses available, which of the following would be BEST for the network administrator to perform to accommodate the new network devices?

A.

Create a new DHCP scope for the network segment in question.

B.

Configure the DHCP server for IPv6.

C.

Configure the network to use NAT for the network segment in question.

D.

Increase the size of the DHCP scope for the network segment in question.

Answer: D
Explanation:

QUESTION NO: 236

Which of the following represents the directory permissions to provide least privilege for publicly readable directories on a Unix web server?

A.
rwxrwxrwx (777)

B.
rwxrwx-w- (772)

C.
rwxrwxr-x (775)

D.
rwxrwx-x (771)

Answer: C
Explanation:

QUESTION NO: 237

A newly hired administrator is tasked to change the number of CPUs assigned to a VM. Which of the following if the FIRST step the administrator should do during a scheduled maintenance window?

A.
Create a snapshot.

B.
Back up the host.

C.
Shut down the guest.

D.
Shut down the host.

Answer: A
Explanation:

QUESTION NO: 238

A small office has installed a server inside a writing closet. Users report losing connectivity to the server at various times throughout the day. Which of the following should have been considered before installing the server to prevent this issue from occurring?

A.
Airflow

B.
Redundant power

C.
Antivirus software

D.
Chassis lock

Answer: A
Explanation:

QUESTION NO: 239

A user is unable to save an image file to the home directory on a server. The server technician checks the disk space and ACL on the user's home directory and finds that the user has enough space and required access to write to the directory. Which of the following is the MOST likely reason why the user is unable to save the file?

A.

The user is attempting to save a file with a prohibited file extension.

B.

There are too many open files on the server.

C.

The user does not have permission to save files to the server.

D.

The hard drive containing the user's home directory is failing.

Answer: A
Explanation:

QUESTION NO: 240

An administrator needs to deploy 1,000 servers in a short period of time. Which of the following deployment methods will expedite the OS installations?

A.

Use disk duplicating software.

B.

Use USB disk images to deploy servers.

C.

Use a disk replicator.

D.

Use PXE boot to retrieve an image.

Answer: D
Explanation:

QUESTION NO: 241

Which of the following virtual network settings should be used if the IP addresses of the host is to be shared with the virtual machine?

A.
NAT

B.
Bridged

C.
Host-only

D.
Custom virtual network

Answer: B
Explanation:

QUESTION NO: 242

An administrator needs to back up changed files only and has time constraints on the back up window. Which of the following is the BEST choice for a backup strategy?

A.
Differential

B.
Snapshot

C.
Full

D.
Incremental

Answer: A
Explanation:

QUESTION NO: 243

The Unified Extensible Firmware Interface (UEFI) allows:

A.

the ability to boot from larger than 2GB disks.

B.

CPU-dependent architecture and drivers.

C.

a non-modular design.

D.

no network capability in the current release.

Answer: A
Explanation:

QUESTION NO: 244

A technician reads a hardware manufacturer's blog indicating a critical firmware update is available for the company's file server. Which of the following is the BEST course of action?

A.
Download and install a firmware update from a centralized server.

B.
Download the firmware update and test it on a VM.

C.
Download the firmware update and test it on a non-production server.

D.
Download the firmware update and immediately run it on the company's file server.

Answer: C
Explanation:

QUESTION NO: 245

A sever administrator implements external storage for a file server. At a later time, another administrator wants to extend this storage to a second server but is unable to simultaneously

connect to two servers. Which of the following storage types was implemented by the first administrator?

A.
DAS

B.
NAS

C.
VSAN

D.
SAN

Answer: A
Explanation:

QUESTION NO: 246

An administrator has been tasked with making recommendations for purchasing disks that will support a transactional database where performance is of greatest concern and budget is secondary. Which the following disk types should the administrator recommend?

A.
FC

B.
iSCSI

C.
SAS

D.
SATA

Answer: C
Explanation:

QUESTION NO: 247

A technician is backing up 10GB of data on a file server to a 250GB external USB hard drive. After 4GB has been backed up, the software generates an error that the size of the backup exceeds the file limit. Which of the following file system types is being used?

A.
FAT32

B.
NTFS

C.
VMFS

D.
ZFS

Answer: A
Explanation:

QUESTION NO: 248

A technician is having problems sending a notification from a server. The technician suspects the firewall may be blocking traffic. Which of the following clients can be used to confirm the technician's suspicions?

A.
 traceroute

B.
 sendmail

C.
 nslookup

D.
 telnet

Answer: A
Explanation:

QUESTION NO: 249

An administrator needs to run five CAT6 cable runs to a new server. Which of the following steps should the administrator do FIRST?

A.

Install the cables into cable trays.

B.

Verify the bend radius of the cables.

C.

Bundle the cables with velcro or zip ties.

D.

Label both ends of the cables with unique identifiers.

Answer: D
Explanation:

QUESTION NO: 250

A technician needs to install an OS patch on a virtual server. Which of the following backup types should the technician perform prior to the patch installation that will allow the server to be restored the FASTEST?

A.
Snapshot

B.
Incremental

C.
Differential

D.
Full

Answer: A
Explanation:

QUESTION NO: 251

A technician installs a rack in a datacenter. The rack has two power strips installed in it. To ensure maximum power redundancy for the rack, how should each PDU power strip be connected?

A.

Each to the same floor PDU

B.

Each to different floor PDUs

C.

Each to the same datacenter UPS

D.

Each to a different datacenter UPS

Answer: D

Explanation:

QUESTION NO: 252

Joe, a system administrator, is replacing an aging print server. Once he reached the step to join the new server to the existing domain, he kept getting an error and could not complete the step successfully. Which of the following did Joe forget to do?

A.

He did not recreate the printer on the new print server.

B.

He did not migrate the print server database.

C.

He did not restore a full backup of the old print server.

D.

He did not properly configure the network settings.

Answer: D

Explanation:

QUESTION NO: 253

A secondary office location containing servers already configured with all necessary software and files to minimize downtime is considered to be which of the following types of disaster recovery sites?

A.
Hot site

B.
Hosted site

C.
Cold site

D.
Warm site

Answer: A
Explanation:

QUESTION NO: 254

A clustered server goes offline due to a backplane failure. Which of the following clusters does not lose capacity when a server goes offline?

A.
An active-passive cluster

B.
A distributed cluster

C.
An active-active cluster

D.
A standby switch cluster

Answer: C
Explanation:

QUESTION NO: 255

Which of the following RAID configurations consists of mirrored disks?

A.
RAID 0

B.
RAID 1

C.
RAID 5

D.
RAID 6

Answer: B
Explanation:

QUESTION NO: 256

Which of the following describes a root cause analysis?

A.
Identify the circumstances that initiated the problem.

B.
Replicate the problem in a test environment.

C.
List necessary corrective actions for the problem.

D.
Confirm the theory of probable cause.

Answer: A
Explanation:

QUESTION NO: 257

An administrator is using IPv4 on all servers. If a new technician installs only IPv6 on a workstation, which of the following servers will the workstation be able to access?

A.

DHCP server

B.

Domain controller

C.

No servers

D.

DNS server

Answer: C

Explanation:

QUESTION NO: 258

Which of the following hypervisors is physically installed on a server?

A.

Type 1

B.

Type 2

C.

VDI

D.

Hybrid

Answer: A

Explanation:

QUESTION NO: 259

A server has two power supplies. If power is lost to the second power supply, which of the following will occur?

A.

The server will gracefully shut down

B.

The server will remain in operation

C.

The automatic transfer switch will bring in generator power

D.

The UPS will exceed maximum load

Answer: B
Explanation:

QUESTION NO: 260

When setting up a new Linux server that will require files larger than 2 TB in size, which of the following file system types should be used?

A.
NTFS

B.
ext2

C.
ext4

D.
FAT32

Answer: C
Explanation:

QUESTION NO: 261

A systems administrator receives an email indicating a Windows user in finance cannot access the finance server remotely but is currently logged onto the network. Which of the following ports should be checked to determine if it is listening or open?

A.
FTP (20/21)

B.
DNS (53)

C.
RDP (3389)

D.
RDP (3893)

Answer: C
Explanation:

QUESTION NO: 262

A server has rebooted early in the morning on the second Wednesday of each month for the past three months. No one was logged into the server at the time of the reboots, and there was no planned maintenance on any of the mornings in question. Which of the following is a server technician likely to inspect FIRST to determine the cause of the reboots?

A.
System event logs

B.
Update settings

C.
Maintenance settings

D.
Security event logs

Answer: B
Explanation:

QUESTION NO: 263

An existing server has three 1 TB 7200 RPM SATA drives and five empty drive bays. The network manager orders three 2 TB 5400 RPM SAS drives. The technician installs them properly, but when attempting to provision the drives, a message displays "Type mismatch". Which of the following is the reason for this error message?

A.

There is a firmware mismatch on the hard drives

B.

the drives must be from the same manufacturer

C.

The drive sizes must match

D.

The SATA and SAS drives cannot be mixed

Answer: D
Explanation:

QUESTION NO: 264

A server technician is configuring a remote site and must ensure an active-active, site-to-site replication is enabled to adhere to disaster recovery initiatives with little to no change between production and the remote site. Which of the following site types BEST represents the purpose of this remote site?

A.
Cold site

B.
Warm site

C.
Hot site

D.
Off-site

Answer: C
Explanation:

QUESTION NO: 265

An administrator checks a server running a RAID 1 with ten drives and notices three drives have blinking amber lights. Which of the following is the FIRST action the administrator should take?

A.

Reseat the drives one at a time

B.

Inform the users the server is down

C.

Shut down the server and replace the drives

D.

Call support and open a case

Answer: A
Explanation:

QUESTION NO: 266

An outside contractor is hired to perform a business impact analysis of a simulated disaster. The contractor asks stakeholders what they think a hurricane would do to the business. This is an inadequate method because:

A.

the question is related to disaster recovery, not impact analysis

B.

the question is subjective and does not represent a complete business impact analysis

C.

it is impossible to perform an impact of anything simulated

D.

hurricanes vary in intensity, so the business impact is always unknown

Answer: B
Explanation:

QUESTION NO: 267

An administrator is setting up LDAP in the environment to allow directory services authentication and login, and wants to allow secure connection only. Which of the following network ports should be allowed on the internal and external firewalls?

A.
443

B.
989

C.
3268

D.
3389

Answer: C
Explanation:

QUESTION NO: 268

A datacenter customer reports the servers are having hardware failures at an unusual rate. A server technician is dispatched to the datacenter floor and notices several racks have condensation on their cold-side doors. Which of the following is the technician likely to report as the MOST likely cause of the hardware failures?

A.
Cooling failure

B.
Overheating

C.
Power surge

D.
Humidity controls

Answer: D
Explanation:

QUESTION NO: 269

Which of the following should a systems administrator create to enable network connectivity on a virtual machine? (Choose two.)

A.

A virtual network

B.

A virtual network adapter

C.

A virtual network storage

D.

An extra network card on the server

E.

A virtual switch

Answer: B,E
Explanation:

QUESTION NO: 270

A systems administrator creates a new file server. Before the users can access the server, which of the following must be done FIRST?

A.
Set up an iSCSI target

B.
Configure WWN on the SAN

C.
Join domain/directory

D.
Disable the firewall

Answer: C
Explanation:

QUESTION NO: 271

A server administrator is notified of an OS hot fix for a production server. Which of the following BEST represent how the hot fix should be applied? (Choose two.)

A.

The hot fix should be applied after testing in a non-production environment

B.

The hot fix should be applied when it is released from the vendor

C.

The hot fix should be applied after following proper change management procedures

D.

The hot fix should be applied after testing in a production environment

E.

The hot fix should be applied once it has been superseded

Answer: A,C
Explanation:

QUESTION NO: 272

A technician is setting up a server with a RAID 1 array for the boot partition and a RAID 5 array for the data partition. Which of the following is the MINIMUM number of disks needed to implement these partitions?

A.
4

B.
5

C.
6

D.
7

Answer: B
Explanation:

QUESTION NO: 273

A customer reports their mail can send emails but not receive them. A technician arrives on-site to

troubleshoot the issue. Which of the following troubleshooting steps should the technician do FIRST?

A.

Identify changes to the server

B.

Establish a theory of probable cause

C.

Escalate the problem to a manager

D.

Perform a root cause analysis

Answer: B
Explanation:

QUESTION NO: 274

A server technician is connecting a server directly to a multilayer switch, without MDI-X. Which of the following cables should the server technician use?

A.
Crossover

B.
Coaxial

C.
Rollover

D.
Straight through

Answer: D
Explanation:

QUESTION NO: 275

A company executive asks the network administrator to help to reduce power consumption in a

datacenter. The administrator suggests changing the servers running on 110V to 220V. Which of the following will occur as a result of this action?

A.

The room temperature will be reduced

B.

Amperage consumed by each server will be reduced by 50%

C.

Twice as much heat will be generated in the server room

D.

Power redundancy will be added to the server by providing two 110V power sources

Answer: A
Explanation:

QUESTION NO: 276

After installing a 1 TB hard drive, a technician notices the OS is reporting significantly less unformatted capacity than was expected. Which of the following is the root cause?

A.
NTFS is using up capacity

B.
The OS is reporting raw capacity

C.
The OS is reporting capacity using base 2 numbers

D.
There was old data previously stored on the drive

Answer: D
Explanation:

QUESTION NO: 277

At the time of implementing a solution, it is important to: (Choose two.)

A.

make one change at a time and confirm resolution

B.

reverse the change if the problem is not resolved, and implement a new change

C.

immediately call an employee with more experience in problem resolution

D.

continue implementing new changes until the problem is resolved

E.

perform a root cause analysis

Answer: A,B
Explanation:

QUESTION NO: 278

Immediately following a BIOS firmware update, a server detects an overheat condition and shuts down after five minutes. Which of the following should the systems administrator do FIRST?

A.
Ensure the system fans are running

B.
Disconnect the server's power and restore the backup ROM

C.
Run the hardware manufacturer's onboard diagnostics

D.
Reapply thermal paste to the CPUs and heat sinks

Answer: A
Explanation:

QUESTION NO: 279

After applying a set of OS patches, a systems administrator finds that, on reboot, a server hangs with a blinking cursor after the system POST. Which of the following should the administrator do

FIRST?

A.

Attempt to reload the master boot record

B.

Replace the boot drive, and reinstall the OS

C.

Restore the server from backup

D.

Clone the boot drive to another hard drive

Answer: A
Explanation:

QUESTION NO: 280

An administrator is securing a network time server by disabling ports. After completing this process, the network time server is not functioning. The administrator should now go back and verify whether which of the following ports is enabled?

A.
23

B.
110

C.
123

D.
389

Answer: C
Explanation:

QUESTION NO: 281

A systems administrator wants to run a report that will analyze a network's server performance at

a specific point in time. Which of the following documents would be the best practice to create?

A.
Business impact analysis

B.
Network analysis

C.
Server baseline analysis

D.
network security analysis

Answer: C
Explanation:

QUESTION NO: 282

A technician correctly powers off and replaces a cache battery on a RAID controller. When the server is powered back up, it restarts but indicates there are no logical disk volumes found. The server halts. Which of the following components should the technician check FIRST?

A.
Cache battery

B.
BIOS boot order

C.
Controller cabling

D.
Disk backplane

Answer: A
Explanation:

QUESTION NO: 283

Which of the following access control methods allows or blocks devices based on MAC

addresses?

A.
Port security

B.
ACL

C.
Host IDS

D.
Network IDS

Answer: A
Explanation:

QUESTION NO: 284

Which of the following commands displays the network path between two devices?

A.
ping

B.
tracert

C.
netstat

D.
route

Answer: B
Explanation:

QUESTION NO: 285

Which of the following is used in a server to ensure proper cooling and airflow when components are removed?

A.
Heatsink

B.
Voltage regulator

C.
Baffles

D.
Liquid cooling

Answer: C
Explanation:

QUESTION NO: 286

A telephone company is responsible for maintaining a list of 25 million names and phone numbers for inclusion in printed phone books as well as in an inline phone directory accessible on the company's website. Which of the following types of servers would be MOST appropriate to store its information?

A.
Web server

B.
Directory server

C.
File server

D.
Database server

Answer: B
Explanation:

QUESTION NO: 287

A datacenter recently experienced a breach committed by a group that was able to access a server that had been shut down but not disconnected from the network. Which of the following could have prevented the breach from occurring?

A.

Disabling WOL in the server BIOS

B.

Shutting down unneeded ports on the server

C.

Installing anti-malware software on the server

D.

Disabling non-essential services on the server

Answer: A
Explanation:

QUESTION NO: 288

A systems administrator has performed a memory upgrade on a server. The server does not recognize the new memory. Which of the following is the MOST likely cause?

A.

The CPU does not support the upgraded amount of memory

B.

The HDD firmware needs to be updated

C.

The new memory was installed incorrectly

D.

The original memory is defective

Answer: A
Explanation:

QUESTION NO: 289

A technician needs to install more add-on cards than there are available expansion slots. Which of the following would allow the technician to accomplish this?

A.

Backplane

B.
CPU daughterboard

C.
Riser card

D.
Array controller

Answer: C
Explanation:

QUESTION NO: 290

An administrator is setting up a new mail server on the network and wants to open necessary ports to allow POP3 protocol for mail delivery. Which of the following ports should be opened in the internal and external firewalls?

A.
101

B.
110

C.
123

D.
161

Answer: B
Explanation:

QUESTION NO: 291

A systems administrator needs to configure the company's web server to authenticate using PKI certificates. Which of the following servers would be queried to validate user credentials?

A.

DHCP server

B.
DNS server

C.
Certificate authority

D.
ACL on web server

E.
LDAP server

Answer: C
Explanation:

QUESTION NO: 292

Which of the following ports should be open on a server that provides IP addressing for clients?

A.
TCP 22

B.
TCP 25

C.
UDP 53

D.
UDP 67

Answer: D
Explanation:

QUESTION NO: 293

While reviewing a network connectivity issue to a Linux server, the systems administrator issues the ifconfig command with the following results:

```
eth0 Link encap:EthernetHWaddr00:30:48:9D:06:73
     Inetaddr:192.168.0.100Bcast:192.168.0.255Mask:255.
     255.255.0
     BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
```

According to the output above, which of the following is the problem?

A.

The adapter is in "BROADCAST" mode

B.

The adapter is not in an "UP" state

C.

The broadcast address is incorrect

D.

The netmask is incorrectly configured

Answer: B
Explanation:

QUESTION NO: 294

A manager has noticed that the staff of administrators spends a lot of time running power cords and network cables when installing new servers. The manager would like to reduce the amount of time administrators spend doing the power and network cabling. Which of the following will BEST allow staff to reduce that time?

A.
Mainframe

B.
Tower

C.
2U rackmount server

D.
Blade server

Answer: D
Explanation:

QUESTION NO: 295

Which of the following ports should be open if a server is configured as an email server with high security for incoming connections? (Choose two.)

A.
TCP 110

B.
TCP 143

C.
TCP 161

D.
TCP 993

E.
TCP 995

Answer: D,E
Explanation:

QUESTION NO: 296

A technician needs to install another PCIe NIC in a server. The server currently has four fully populated PCIe slots. Which of the following must the technician install before installing the card?

A.
Install a virtual NIC

B.
Install a riser card

C.
Install a daughtercard

D.
Install a KVM

Answer: B

Explanation:

QUESTION NO: 297

Which of the following MUST be configured to automate client deployment over PXE boot? (Choose two.)

A.
DNS PTR record

B.
Domain controller name

C.
TFTP server

D.
DHCP option 66

E.
Web server with OS images

Answer: C,D
Explanation:

QUESTION NO: 298

The purpose of Active Directory Federation Services (AD FS) is to:

A.
replace Active Directory Domain Services (AD DS) as a domain management tool in Windows Server 2013

B.
complement authentication and access management features of AD DS

C.
complement authentication and access management features of Active Directory Rights Management Services (AD RMS)

D.
replace Active Directory Certificate Services (AD CS) in Windows Server 2013

Answer: B
Explanation:

QUESTION NO: 299

A systems administrator is unable to back up user files. Which of the following is the BEST explanation for this issue?

A.
The files are currently open

B.
The files have been copied

C.
The files have been modified

D.
The files are compressed

Answer: A
Explanation:

QUESTION NO: 300

An administrator is asked to move a 64-bit guest to a new host. However, the guest will not boot on the new host. Which of the following is the cause of the problem?

A.
The new host's hypervisor is not Type 1

B.
The management interface is not activated on the host

C.
In the BIOS, AMD-V Intel VT are not turned on

D.
The new host's hypervisor is not Type 2

Answer: D

Explanation:

QUESTION NO: 301

A server technician is applying a security patch to an active-passive failover SQL cluster. However, the cluster must continue to service clients during the process with limited outages. Given this scenario, which of the following should the technician do to adhere to these maintenance requirements?

A.
Failover back to the original active node once the patching is complete

B.
Keep services failed over to passive node once patching is complete

C.
Move services to the active node and repeat for the passive node

D.
Patch the passive node, failover, and patch the other node

Answer: D
Explanation:

QUESTION NO: 302

An administrator is connecting a laptop to administer a switch using an Ethernet cable, which works on a PC to a wall jack. The switch is functioning, but the administrator is unable to establish a connection with the switch. Which of the following is MOST likely the issue?

A.
The switch is faulty

B.
The port is faulty

C.
The cable is a rollover cable

D.
The cable is a straight-through cable

Answer: B

Explanation:

QUESTION NO: 303

A server technician is notified that Linux web services are no longer accessible. The technician is at a remote site only has access to a Windows workstation. Which of the following should the technician use to remotely restart the web services?

A.
Connect to the server using SSH

B.
Connect to the server using RDP

C.
Connect to the server using SCP

D.
Connect to the server using FTPS

Answer: B

Explanation:

QUESTION NO: 304 DRAG DROP

Match each port number with its appropriate protocol name.

Port Number

| 989 |
| 22 |
| 68 |
| 53 |
| 389 |

Protocol

	DNS
	DHCP
	LDAP
	FTPS
	SSH

Answer:

Port Number

| 989 |
| 22 |
| 68 |
| 53 |
| 389 |

Protocol

53	DNS
68	DHCP
389	LDAP
989	FTPS
22	SSH

Explanation:

DNS – 53

DHCP – 68

LDAP – 389

FTPS – 989

SSH - 22

QUESTION NO: 305

A server technician is procuring rail kits for a 2U rack mount server. Company policy dictates all rail kits must allow full extension of the system out of the rack. Given these requirements, which of the following rail kit types should the technician obtain?

A.
Static rail kit

B.
Sliding rail kit

C.
Rail kit ears

D.
Sliding shelf rails

Answer: B
Explanation:

QUESTION NO: 306

A server has five hot swappable drives in a hardware RAID 5 configuration. One of those drives has issued a predictive failure warning to the server's management console. Which of the following is the BEST course of action?

A.
Replace the drive and restore data from backup

B.
Reformat the drive and restore data from backup

C.
Reformat the drive and have the RAID controller rebuild the configuration

D.
Replace the drive and have the RAID controller rebuild the configuration

Answer: C
Explanation:

QUESTION NO: 307

FILE-SERVER-1 is being decommissioned. A server technician powers off the server labeled FILE-SERVER-1 only to find out the label on the server was incorrect, causing an outage. Which of the following could have helped avoid this outage?

A.
IP address

B.
Recovery documentation

C.
Hardware inventory

D.
Network diagram

Answer: C
Explanation:

QUESTION NO: 308

A server administrator is formulating a DRP for an organization. The DRP specifies that all backups must be saved in a format that supports linear data access. Which of the following media types would meet this objective?

A.
LTO

B.
SAN

C.
NAS

D.
JBOD

Answer: A
Explanation:

QUESTION NO: 309

An administrator is installing a server to be used to dynamically assign IP addresses to the network devices. Which of the following server roles must be used?

A.
RAS

B.
DNS

C.
DHCP

D.
WINS

Answer: C
Explanation:

QUESTION NO: 310

A technician is logged into the network through VPN. Which of the following utilities can be used to connect to a server to verify a process is running? (Choose two.)

A.
RDP

B.
SSH

C.
DNS

D.
LDAP

E.
Bash

F.
ping

Answer: A,B

Explanation:

QUESTION NO: 311

A server administrator is deploying a new database server and wishes to maximize the number of IOPS. Which of the following disk types would BEST accomplish this goal?

A.
500 GB SATA SSD drives

B.
600 GB 15000 rpm SAS drives

C.
800 GB 10000 rpm SAS drives

D.
1 TB 7200 rpm SATA drives

Answer: A
Explanation:

QUESTION NO: 312

An administrator is unable to install a 64-bit OS on a newly purchased server. Which of the following is the MOST likely cause of this issue?

A.
The server has the wrong number of processors

B.
The server has the wrong number of cores

C.
The server has the wrong architecture

D.
The server has the wrong amount of memory

Answer: C

Explanation:

QUESTION NO: 313

An IT manager noticed that specific directories' permissions are being changed by users. Which of the following will prevent this from occurring?

A.
Allow Read permissions only on directories

B.
Allow Write permissions only on directories

C.
Allow Full permissions on directories

D.
Allow Modify permissions only on directories

Answer: A
Explanation:

QUESTION NO: 314

A technician is selecting a UPS to use with a blade enclosure containing five blades with room for an additional seven blades. The blade enclosure is currently consuming 2500W of power, and each additional blade will need 200W of power. Assuming runtime to be less than a minute, which of the following is the MINIMUM amount of UPS wattage needed for the blade enclosure with all blades installed?

A.
3500W

B.
4000W

C.
4500W

D.
5000W

Answer: B
Explanation:

QUESTION NO: 315

A server has been operating normally for several months. Users suddenly begin reporting that the server is responding very slowly. Which of the following tools are the BEST choices for the administrator to use to troubleshoot the problem? (Choose two.)

A.
Disk defragmenter

B.
Resource monitor

C.
Event viewer

D.
Device manager

E.
System information

F.
File manager

Answer: B,C
Explanation:

QUESTION NO: 316

An administrator wants to ensure a server OS and data can be recovered in case all the server's hard disk drives fail simultaneously. Which of the following backup types must be implemented to meet the requirements?

A.
Full backup

B.
Differential

C.

Incremental

D.

Bare metal

Answer: A
Explanation:

QUESTION NO: 317

Maintaining operations in the event of a complete power outage requires a tested and established:

A.

hardware maintenance plan

B.

site recovery plan

C.

business continuity plan

D.

incident response plan

Answer: C
Explanation:

QUESTION NO: 318

A security incident occurs that requires a systems administrator to take an image of a user's workstation hard drive. Which of the following should be taken at the time the system image is generated and retained through the file of the investigation to assure files have not been modified since?

A.

A checksum hash of the drive image or files

B.

Copies of the system logs at specific intervals

C.

A snapshot of the file system

D.

The user's credentials and permissions

Answer: A
Explanation:

QUESTION NO: 319

A technician is asked to install three servers: a 1U, a 4U, and a 6U. Which of the following is the MOST correct order to install these servers starting from the top of the rack?

A.
1U, 4U, 6U

B.
4U, 1U, 6U

C.
4U, 6U, 1U

D.
6U, 4U, 1U

Answer: A
Explanation:

QUESTION NO: 320

A systems administrator is installing a new software package on a server. The software has many dependencies. Which of the following would be the BEST solution for the systems administrator to take to ensure there is no downtime with the installation of this software package?

A.
Deploy the software to production

B.
Deploy the software in a sandbox

C.

Uninstall the application software

D.

Uninstall the software updates

Answer: B

Explanation:

QUESTION NO: 321

Payroll checks are not printing. A job scheduled to run \\Payroll_File_Server\Checks\Print.cmd is failing with an "Access Denied" error message. Which of the following is the MOST likely cause of this issue?

A.

The payroll application server is offline

B.

The checks share does not exist

C.

The file permissions on Print.cmd were changed

D.

The Print.cmd file content was modified

Answer: C

Explanation:

QUESTION NO: 322

A systems administrator has determined that there are several users experiencing problems within two offices that have recently merged into one OU. Users within one of these offices are not having these issues. Which of the following is MOST likely misconfigured?

A.

Group policies

B.

Firewall policies

C.
File permissions

D.
Port permissions

Answer: A
Explanation:

QUESTION NO: 323

A user is reporting lack of connectivity to the server. Which of the following tools will provide feedback to the administrator while troubleshooting basic IP connectivity? (Choose two.)

A.
net use

B.
ping

C.
traceroute

D.
mount

E.
telnet

Answer: B,C
Explanation:

QUESTION NO: 324

A technician is configuring the IP networking portion on a server installation. Which of the following types of IP addresses would be BEST to use for this server?

A.
APIPA

B.

Dynamic

C.
Static

D.
Reserved

Answer: C
Explanation:

QUESTION NO: 325

A technician has a server with ten hard drives in a RAID 6 configuration. Which of the following is the MAXIMUM number of drives that can fail in the array while maintaining data integrity?

A.
1

B.
2

C.
3

D.
4

Answer: B
Explanation:

QUESTION NO: 326

An enterprise technician is tasked to implement a disk array that will host continuous disk-to-disk replication. Which of the following storage types should be selected for maximum performance?

A.
USB

B.
SCSI

C.
SATA

D.
SAS

Answer: D
Explanation:

QUESTION NO: 327

A technician is implementing a RAID 10 array on a server. Which of the following is the MINIMUM number of disks needed for this array?

A.
Two

B.
Three

C.
Four

D.
Five

Answer: C
Explanation:

QUESTION NO: 328

A technician is trying to install the operating system on a new server. When the server is powered on, it searches for the installation information on CD and then on the local hard drive. The operating system installation is on a PXE server. Which of the following should the technician change to successfully install the operating system?

A.
BIOS settings

B.
Firmware version

C.

File system type

D.

RAID configuration

Answer: A

Explanation:

QUESTION NO: 329

Which of the following are the MOST appropriate permissions to set on files required to be publicly accessible but only modified by the file's original owner?

A.

rw-rw-r--

B.

r--r--r--

C.

rwxrwxr--

D.

rwxrwxr-x

Answer: A

Explanation:

QUESTION NO: 330

Which of the following components is required to connect multiple servers to a SAN?

A.

Router

B.

HBA

C.

RAID controller

D.

Fiber switch

Answer: B

Explanation:

QUESTION NO: 331

A systems administrator is troubleshooting a server that will not turn on. The LED lights are not blinking, and no status light indicators are available. The administrator has checked the PDU and UPS to verify proper functionality. Which of the following components is the MOST likely cause of this problem?

A.

NIC failure

B.

Memory failure

C.

CPU failure

D.

Power supply failure

Answer: D

Explanation:

QUESTION NO: 332

An auditor wants to reduce the server footprint in a company's remote datacenter to decrease hosting costs. Regarding life-cycle management, which if the following is the auditor MOST likely to look for in reviewing the company's asset data?

A.

Make, model, asset tag, and serial number

B.

Procurement date, current usage, and scheduled end of life

C.

Licensing, warranty expiration date, and efficiency

D.
Server configuration, MTBF, and replacement cost

Answer: B
Explanation:

QUESTION NO: 333

A technician is configuring a new server on the network. The technician wants the server to be a default gateway for network devices. Which of the following should the technician use to BEST provide the server with the proper IP address?

A.
A static IP address outside of the DHCP scope

B.
A static IP address with a scope reservation

C.
A dynamic IP address assigned by the DHCP server

D.
An IP address that can be publicly routed

Answer: B
Explanation:

QUESTION NO: 334

A SLA document:

A.
outlines expectations and requirements from a provider to a consumer

B.
contains information on specific hardware or software usage and behavior

C.
defines performance expectations under normal circumstances

D.

outlines expected movement of information between servers and services

Answer: A

Explanation:

QUESTION NO: 335

The last available backup is from 12 months ago. Which of the following should an administrator perform prior to applying a critical application patch to a guest OS? (Choose two.)

A.

Full backup

B.

Database snapshot

C.

Incremental backup

D.

Virtual machine snapshot

E.

File system copy

Answer: A,B

Explanation:

QUESTION NO: 336

A datacenter administrator is reallocating CPU and memory resources for a guest VM. The guest VM runs on a hypervisor that has direct access to the hardware resources being allocated. Which of the following BEST describes this scenario?

A.

The guest is using a Type I hypervisor

B.

The hypervisor is running on a virtual hardware

C.

The host is using a Type II hypervisor

D.

The guest is using a hybrid hypervisor

Answer: A
Explanation:

QUESTION NO: 337

A server technician has just installed a server with several roles. The technician then launches a command prompt, runs the netstat command, and notices the server is listening on the following ports: 88, 389, 464, 3268, and 3269. Which of the following server roles is MOST likely installed on this server, given the ports above?

A.

Database server

B.

Directory server

C.

Mail server

D.

Web server

Answer: B
Explanation:

QUESTION NO: 338

Which of the following devices should be installed BEFORE installing a server's operating system locally?

A.

Hard drive

B.

Chipset

C.

NIC

D.

Optical drive

Answer: A

Explanation:

QUESTION NO: 339

A technician notices inlet temperatures to rack-mounted servers are significantly higher in the center of the rack as compared to the top and bottom of the rack. Which of the following is the MOST likely reason?

A.

Lack of front-mounted blanking panels

B.

Too much humidity in the room

C.

Room temperature set too high

D.

Air conditioning units sized incorrectly

Answer: A

Explanation:

QUESTION NO: 340

A remote technician is notified that a LED light for a server's hard drive is red. Which of the following should the technician check to verify RAID functionality?

A.

Network-based hardware administration

B.

Access control lists

C.

File system check

D.

Connectivity via a serial cable

Answer: C

Explanation:

QUESTION NO: 341

Which of the following security measures would be MOST effective in a datacenter that experiences frequent power surges and spikes? (Choose two.)

A.

Security guards

B.

Numeric keypads

C.

Biometrics

D.

Access lists

E.

RFID chips

Answer: A,D

Explanation:

QUESTION NO: 342

A datacenter systems administrator needs to install a new server within an existing rack. Which of the following components would the systems administrator need to physically install the server in the rack? (Choose two.)

A.

Rail kit

B.

Cable management

C.

UPS

D.

Network switch

E.

Fiber cables

F.

KVM

Answer: A,E

Explanation:

QUESTION NO: 343

A server administrator recently upgraded a three-year-old server by replacing the old CPU and memory with a new CPU and memory. After the upgrade, the server regularly generates CPU and memory errors; however, the server is working. The administrator has confirmed the new CPU and memory are not faulty. Which of the following is the MOST likely cause of this problem?

A.

Bad motherboard

B.

Outdated BIOS and firmware

C.

Outdated RAID controller

D.

Bad memory and CPU chipset

Answer: B

Explanation:

QUESTION NO: 344

An administrator is decommissioning a company's old accounting system and will be sending all the hardware to an off-site recycler. Which of the following is the BEST method for the administrator to ensure no company data will be exposed before sending drives to the recycler?

A.
Delete both the files and the folders from the hard drives, and then send them to the recycler

B.
After logging out and powering down the server, send the drives to the recycler

C.
Format all drives using the OS, and then send the drives to the recycler

D.
Physically destroy the drives, and then send the drives to the recycler

Answer: D
Explanation:

QUESTION NO: 345

Highly classified data is being shared on a company network. The systems administrator needs to ensure the data is safe and only necessary personnel can access it. Which of the following protocols would be BEST to use for this type of data to be shared?

A.
SSH

B.
SCP

C.
NTP

D.
FTP

Answer: B
Explanation:

QUESTION NO: 346

A server administrator is configuring 10 web servers, each of which can contain up to four hard disks. To get the HIGHEST level of redundancy for these servers, the administrator should:

A.

configure using four disks in a RAID 0 array

B.

configure using four disks in a RAID 5 array

C.

configure using four disks in a RAID 6 array

D.

configure using four disks in a RAID 10 array

Answer: C
Explanation:

QUESTION NO: 347

Which of the following default port numbers need to be open on a firewall for a mail server to successfully send and receive mail? (Choose three.)

A.
22

B.
25

C.
53

D.
80

E.
110

F.
143

G.
161

Answer: B,E,F

Explanation:

QUESTION NO: 348

Which of the following is an advantage of blade servers over rack-mount servers?

A.
Reduced power consumption

B.
Enhanced virtualization support

C.
Decreased number of servers per rack

D.
Increased security

Answer: A
Explanation:

QUESTION NO: 349

A storage administrator needs to connect a server to a storage array shared by 12 other servers.
Which of the following interface types could be used to accomplish this connection?

A.
Fibre Channel

B.
SAS

C.
USB

D.
SCSI

Answer: B
Explanation:

QUESTION NO: 350

An enterprise administrator has a server that requires private communication between the application team and the administrator's team. Which of the following solutions would BEST meet this requirement?

A.
Implement a NIDS

B.
Enable a host-based firewall

C.
Install a RADIUS server

D.
Configure IPSec

Answer: D
Explanation:

QUESTION NO: 351

A user cannot save a 2 GB file to a file server. A technician determines that permissions are correct and the file system has 10 MB of available space for new files. The technician wants to enable compression as a short-term fix. Which of the following should the technician do FIRST?

A.
Free enough disk space to hold the largest file's uncompressed size

B.
Decrease the amount of system CPU and memory requirements

C.
Encrypt the file system on the server

D.
Install at least enough memory to hold the largest file's uncompressed size

Answer: A
Explanation:

QUESTION NO: 352

Which of the following media types allows for the ability to make data written to the media permanent?

A.
LTO WORM tape

B.
DVD-RW disk

C.
CD-RW disk

D.
LTO tape

Answer: A
Explanation:

QUESTION NO: 353

An administrator is given the following network information to configure a server with a static IP address: 10.152.0.4/21. Which of the following is the subnet mask for the given IP address?

A.
255.248.0.0

B.
255.255.128.0

C.
255.255.248.0

D.
255.255.255.248

Answer: C
Explanation:

QUESTION NO: 354

When installing processors with mixed stepping levels in a server, which of the following guidelines must be followed? (Select TWO).

A.

The processors must have different frequencies set to operate.

B.

The processor with the highest feature set must be the bootstrap processor.

C.

The processors must have different cache sizes set to operate.

D.

The processors must have the same cache size set.

E.

The processor with the lowest feature set must be the bootstrap processor.

Answer: D,E
Explanation:

QUESTION NO: 355

Which of the following connects the L2 cache to the processor?

A.
PCI

B.
Frontside bus

C.
Backside bus

D.
System I/O bus

Answer: C
Explanation:

QUESTION NO: 356

An administrator has just upgraded a server from non-hot plug storage to all hot plug storage.

The administrator powers up the server, during POST the RAID controller is recognized but none of the drive lights flash.

Which of the following should the administrator do FIRST to troubleshoot the problem?

A.
Check the backplane cabling.

B.
Check the server BIOS.

C.
Update the RAID controller firmware.

D.
Install the latest hard drive firmware.

Answer: A
Explanation:

QUESTION NO: 357

A user is unable to connect to the company's intranet server by FQDN, but can connect by IP address. Other users are not having a problem. An administrator verifies that the user can successfully ping the server by IP address and can properly resolve the FQDN using nslookup.

The problem is persisting after running ipconfig /flushdns.

Which of the following should the administrator do NEXT?

A.
Examine the lmhost file.

B.
Flush the cache on the DNS server.

C.
Flush the cache on the WINS server.

D.

Examine the hosts file.

Answer: D
Explanation:

QUESTION NO: 358

An administrator is looking to apply a new service pack for an OS on several systems that run business critical applications for a large international finance corporation.

Which of the following should the administrator do FIRST?

A.
Deploy the service pack to a single department within the corporation.

B.
Upgrade the system with requirements for that service pack.

C.
Deploy the service pack to a non-critical application server.

D.
Submit a change control for the service pack deployment.

Answer: D
Explanation:

QUESTION NO: 359

A company's legal and regulatory departments have drafted a new policy in which emails must be retained for no longer than three years. Which of the following locations should an administrator configure when complying with the new policy? (Select THREE).

A.
Local workstations

B.
Backup tapes

C.

Domain controllers

D.
Email server

E.
SMTP gateway

F.
Proxy server

Answer: A,B,D
Explanation:

QUESTION NO: 360

Which of the following can limit cabling mistakes?

A.
Proper labeling

B.
Asset management

C.
Keeping good vendor logs

D.
Keeping up-to-date repair logs

Answer: A
Explanation:

QUESTION NO: 361

In a workgroup, all of the following steps are required for a DHCP server EXCEPT:

A.
activate the scopes.

B.

authorize the server.

C.

configure the scopes.

D.

install DHCP service.

Answer: B
Explanation:

QUESTION NO: 362

A user reports that each day some files are deleted from the department share. The administrator needs to find who deleted these files. Which of the following actions should the administrator perform?

A.

Enable audit object access and specify files and folders to monitor using Task Manager.

B.

Enable audit policy change and specify files and folders to monitor using Windows Explorer.

C.

Enable audit object access and specify files and folders to monitor using Windows Explorer.

D.

Open Performance Monitor and monitor folder activity.

Answer: C
Explanation:

QUESTION NO: 363

Which of the following actions will prevent a driver from being reinstalled automatically?

A.

Run the disable command.

B.

Disable the device using Device Manager.

C.

Review manufacturer manual.

D.

Reboot the server, logon in Safe Mode, uninstall the driver.

Answer: B

Explanation:

QUESTION NO: 364

A company's computer policy dictates that all users workstations must use the company's corporate web page as their default home page. Which of the following methods should an administrator use to BEST comply with this policy?

A.

Configure a logon script to set the homepage at logon.

B.

Set the default homepage to the corporate website in Group Policy.

C.

Manually configure the homepage on all workstations and setup trace logs to ensure compliance.

D.

Set the default homepage to the corporate website on the base computer image.

Answer: B

Explanation:

QUESTION NO: 365

An administrator has purchased monitoring software that can be configured to send alerts when hardware and applications are having issues. Which of the following must be installed on the monitoring server so that it can properly monitor details on vendor specific devices?

A.

MIBs

B.

SMTP

C.

WMI

D.

DHCP

Answer: A

Explanation:

QUESTION NO: 366

Which of the following must be configured on printers so that the server can properly monitor details on page counts?

A.

WMI

B.

DHCP

C.

SNMP

D.

MIB

Answer: C

Explanation:

QUESTION NO: 367

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

Answer: A,D

Explanation:

QUESTION NO: 368

When configuring a DHCP server, which of the following can the administrator define for DHCP users? (Select THREE).

A.

Database server

B.

NTP server

C.

DHCP server

D.

SQL server

E.

DNS server

F.

Domain name

Answer: B,E,F

Explanation:

QUESTION NO: 369

An administrator receives a call from a user who is unable to receive email. After checking the workstation and email settings the administrator is still not able to determine the problem. Which of

the following is the NEXT step that the administrator should take?

A.

Create an action plan.

B.

Escalate the issue.

C.

Reboot the mail server.

D.

Document the solution.

Answer: B
Explanation:

QUESTION NO: 370

An administrator receives a call from a user who is unable to receive email. After troubleshooting the administrator is able to resolve the issue and verify that user is able to access email again.

Which of the following is the NEXT step that the administrator should take?

A.

Implement preventative measures.

B.

Close the issue.

C.

Document the outcome.

D.

Other users to make sure they are not having the same issue.

Answer: C
Explanation:

QUESTION NO: 371

A company has had problems with their HVAC system being able to cool their datacenter as they have grown. Which of the following could BEST be used to help reduce the load on the HVAC system?

A.

Replacing the CAT5 cables with CAT6 cables

B.

Replacing traditional racks with water cooled racks

C.

Turning off non-critical application servers during non-business hours

D.

Taking the second power supplies out of non-critical servers

Answer: B
Explanation:

QUESTION NO: 372

A datacenter has exceeded the load on the central uninterruptible power supply (UPS) for the room and is causing power load problems. Additional power is available, but not using the central UPS. Which of the following is the BEST temporary solution for adding new servers until an upgrade of the central UPS can occur?

A.

Continue plugging into the central UPS, but put the UPS on bypass to avoid load problems.

B.

Plug the servers directly into the power that is not on the UPS.

C.

Add stand alone UPSs for new servers not wired off the central UPS.

D.

Continue plugging into the central UPS because the actual load supported is actually higher than stated.

Answer: C
Explanation:

QUESTION NO: 373

When disposing of computer equipment, which of the following can present an environmental hazard?

A.
Bezel

B.
SATA cable

C.
Cat5 cable

D.
CRT monitor

Answer: D
Explanation:

QUESTION NO: 374

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

Answer: C,E
Explanation:

QUESTION NO: 375

Which of the following file types can Microsoft servers package for remote installation by default?

A.
.exe

B.
.ini

C.
.msi

D.
.dll

Answer: C
Explanation:

QUESTION NO: 376

Which of the following assists with airflow in a server? (Select TWO).

A.
Riser cards

B.
Water cooling

C.
Shroud

D.
Baffle

E.
Heat sinks

Answer: C,D
Explanation:

QUESTION NO: 377

After a virus outbreak, which of the following can be used to deploy a hotfix in a Microsoft environment? (Select TWO).

A.
WSUS

B.
Terminal services

C.
Remote management cards

D.
Group policy

E.
SNMP

Answer: A,D
Explanation:

QUESTION NO: 378

Which of the following BEST describes RAID 10?

A.
Mirroring with striping

B.
Mirroring with fault tolerance

C.
Striping

D.
Striping with distributed parity

Answer: A
Explanation:

QUESTION NO: 379

Which of the following BEST describes RAID 1?

A.
Mirroring

B.
Striping

C.
Striping with parity

D.
Striping with mirroring

Answer: A
Explanation:

QUESTION NO: 380

Which of the following BEST describes RAID 0?

A.
Striping with parity

B.
Striping with mirroring

C.
Mirroring

D.
Striping

Answer: D
Explanation:

QUESTION NO: 381

Which of the following BEST describes the difference between RAID 5 and RAID 6?

A.

RAID 5 uses a dedicated parity drive and RAID 6 does not.

B.

RAID 6 uses a dedicated parity drive and RAID 5 does not.

C.

RAID 6 uses more parity drives than RAID 5.

D.

RAID 5 uses more parity drives than RAID 6.

Answer: C
Explanation:

QUESTION NO: 382

Which of the following BEST describes a benefit of RAID 0?

A.
High fault tolerance

B.
Ease of failure recovery

C.
High performance

D.
No configuration

Answer: C
Explanation:

QUESTION NO: 383

Which of the following BEST describes RAID 5?

A.
Fault tolerance and failure recovery

B.

Fault tolerance and zero configuration

C.

Zero configuration and high performance

D.

High performance and fault tolerance

Answer: D
Explanation:

QUESTION NO: 384

Which of the following RAID levels provides the HIGHEST fault tolerance possible?

A.
RAID 0

B.
RAID 5

C.
RAID 6

D.
RAID 10

Answer: C
Explanation:

QUESTION NO: 385

Which of the following is BEST described as a storage system that can be connected to multiple servers through a fiber channel?

A.
JBOD

B.
SAN

C.
DAS

D.
NAS

Answer: B
Explanation:

QUESTION NO: 386

Which of the following is a storage system that can be connected to multiple servers through an iSCSI connection?

A.
JBOD

B.
DAS

C.
NAS

D.
SAN

Answer: D
Explanation:

QUESTION NO: 387

Which of the following can be used to manage a servers BIOS remotely? (Select TWO).

A.
Remote desktop software

B.
Dedicated management card

C.
Telnet session

D.
IP KVM

E.
VPN

Answer: B,D
Explanation:

QUESTION NO: 388

Which of the following BEST describes a server where several physical server chassis are housed within an enclosure to share some redundant resources?

A.
Tower server

B.
Rack mount server

C.
Blade server

D.
Bare metal server

Answer: C
Explanation:

QUESTION NO: 389

Which of the following memory technologies has the HIGHEST cost to implement?

A.
ECC

B.
RAID

C.
Pairing

D.

Registered

Answer: A

Explanation:

QUESTION NO: 390

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

Answer: B

Explanation:

QUESTION NO: 391

Which of the following interfaces in Windows server can be used to add a new volume for storage? (Select TWO).

A.

Computer Management

B.

System Properties

C.

Device Manager

D.

Disk Management

E.
My Computer

Answer: A,D
Explanation:

QUESTION NO: 392

When an administrator is troubleshooting a system, which of the following describes the NEXT course of action if a change does not solve the problem?

A.
Establish a new theory of probable cause.

B.
Reverse the change.

C.
Implement the next logical change.

D.
Perform a root cause analysis.

Answer: B
Explanation:

QUESTION NO: 393

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

A.
HBA

B.
USB

C.
UAC

D.

NIC

Answer: A
Explanation:

QUESTION NO: 394

Which of the following can occur if the maximum rated load is exceeded on an uninterruptible power supply (UPS)?

A.
There is a fire hazard potential if a power outage occurs.

B.
The last system plugged into the UPS will not be provided any power.

C.
The UPS will draw more power from the circuit to compensate.

D.
The runtime of the UPS will be insufficient if a power outage occurs.

Answer: D
Explanation:

QUESTION NO: 395

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

Answer: A,B
Explanation:

QUESTION NO: 396

Which of the following components found in a legacy server has a 16-bit bus?

A.
USB

B.
PCI

C.
ISA

D.
AGP

Answer: C
Explanation:

QUESTION NO: 397

Which of the following expansion slots would be BEST for a fiber network card?

A.
ISA

B.
PCIx

C.
PCIe

D.
AGP

Answer: C
Explanation:

QUESTION NO: 398

Which of the following expansion slots is 64-bit?

A.
PCIx

B.
PCI

C.
ISA

D.
PCIe

Answer: D
Explanation:

QUESTION NO: 399

Which of the following will allow devices to be added without turning the server off?

A.
Plug and Play

B.
Warm site

C.
Hot plug

D.
Hot site

Answer: C
Explanation:

QUESTION NO: 400

Which of the following internal storage devices has the GREATEST storage capacity and is WORM media?

A.
CD-RW

B.
CD-R

C.
DVD-RW

D.
Flash

Answer: B
Explanation:

QUESTION NO: 401

Which of the following media types is the MOST durable in harsh environments?

A.
Disk

B.
Tape

C.
Optical

D.
Flash

Answer: D
Explanation:

QUESTION NO: 402

Which of the following settings is the jumper set to when installing a DVD-RW as the second device on an IDE cable?

A.
ID0

B.
ID2

C.
Cable select

D.
Master

Answer: C
Explanation:

QUESTION NO: 403

A user reports they cannot access the network share folder, the users workstation is configured to use automatic IP. When the administrator checks the IP address the response returns as 169.254.0.5.

Which of the following should the administrator verify?

A.
That there are no DHCP relay servers

B.
That the user account on Active Directory is not locked

C.
That the network card driver is not installed incorrectly

D.
The network connection is functioning

Answer: D
Explanation:

QUESTION NO: 404

After applying a new driver to a NIC, the server reboots and fails to restart. Which of the following is the BEST way to resolve the problem?

A.
Boot using recovery console and restore the previous driver.

B.
Boot the server, press F8 and access last known good configuration.

C.
Restore the server using last backup tape.

D.
Boot the server with ASR option.

Answer: B
Explanation:

QUESTION NO: 405

Which of the following types of DNS records enables support for email?

A.
A

B.
MX

C.
PTR

D.
AAAA

Answer: B
Explanation:

QUESTION NO: 406

Which of the following protocols is responsible for the resolution of IP addresses to MAC addresses?

A.
DHCP

B.
ARP

C.
DNS

D.
RARP

Answer: B
Explanation:

QUESTION NO: 407

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

Answer: A
Explanation:

QUESTION NO: 408

Which of the following RAID levels can withstand the simultaneous loss of two physical drives in an array?

A.
RAID 0

B.
RAID 3

C.
RAID 5

D.
RAID 10

Answer: D
Explanation:

QUESTION NO: 409

Which of the following protocols would MOST likely be used in the establishment of an IPSec VPN tunnel?

A.
AES

B.
TKIP

C.
802.1q

D.
ISAKMP

Answer: D
Explanation:

QUESTION NO: 410

Users have reported that they cannot access certain Internet sites. An administrator wants to test

that the sites are properly resolving to an IP address. Which of the following tools would allow the administrator to test name resolution?

A.
net view

B.
ipconfig

C.
dig

D.
ifconfig

Answer: C
Explanation:

QUESTION NO: 411

A new server was installed for the purpose of monitoring network traffic. The network has been configured in such a way that all traffic will be mirrored out the port this server is connected to.

When reviewing the network traffic logs on the server only traffic destined to the server is listed in the logs.

Which of the following is preventing the server from seeing all network traffic?

A.
NIC filtering is enabled.

B.
Port security is configured.

C.
NIC is not in promiscuous mode.

D.
NIC is in promiscuous mode.

Answer: C
Explanation:

QUESTION NO: 412

A server is connected to a gigabit Ethernet switch and has negotiated 1Gbps / Full Duplex. When transferring large files to and from other servers on the segment via FTP slow performance is noticed. All network cabling, network hardware and server hardware were verified to be working correctly. Which of the following could be done to improve performance?

A.
Decrease the TCP window size.

B.
Increase the UDP window size.

C.
Increase the TCP window size.

D.
Decrease the UDP window size.

Answer: C
Explanation:

QUESTION NO: 413

A new server was installed. Most clients are located in the same subnet as the server and can successfully access the server. Clients located on different subnets have been unable to access the server, but have no trouble accessing other servers on their subnet. Which of the following is the reason that these clients are unable to access the server?

A.
DHCP has assigned the wrong addresses.

B.
Incorrect default gateway on the server.

C.
DNS entries were not created.

D.
WINS server is not responding.

Answer: B

Explanation:

QUESTION NO: 414

Which of the following is an SLA?

A.

A document stating the impact analysis of a nonfunctional server.

B.

A contract that details the device replacement time frames.

C.

A contract that details the correct equipment disposal laws.

D.

A statement of compliance with local laws and regulations.

Answer: B
Explanation:

QUESTION NO: 415

A server failed Thursday evening before the nightly backup. The backup scheme in place was full backups every Sunday, incremental backups on Monday, Wednesday, and Friday, and differential backups on Tuesday, Thursday, and Saturday. To fully restore the server, which of the following is the LEAST amount of backup sets required?

A.
One

B.
Two

C.
Three

D.
Four

Answer: C

Explanation:

QUESTION NO: 416

An administrator identifies that a server is shutting down. The administrator powers up the server and OS loads but after a few minutes it powers down again. Which of the following is the cause?

A.
Redundant power supply failure

B.
CPU overheating

C.
Memory failure

D.
Hard disk failure

Answer: B
Explanation:

QUESTION NO: 417

Which of the following would be an advantage to using a blade server as opposed to a rack mount server?

A.
Blade servers allow for internal tape drives

B.
Blade servers offer more rack density

C.
Blade servers are typically faster

D.
Blade servers allow for more RAM

Answer: B

Explanation:

QUESTION NO: 418

A stripe set of maximum size is to be configured using two physical disks. One disk has 150GB and the other has 250GB in unallocated space. Which of the following will be the size of the stripe set?

A.
150GB

B.
300GB

C.
400GB

D.
500GB

Answer: B
Explanation:

QUESTION NO: 419

A technician has a current baseline and is told to install additional memory and a faster NIC card.

At which point in time should the next baseline be run?

A.
After the memory is installed

B.
Before the upgrade is performed

C.
After the NIC is installed

D.
After the upgrades are performed

Answer: D

Explanation:

QUESTION NO: 420

Users report that they are unable to connect to a server. An administrator confirms that it is unreachable across the network. Other administrators have been working in the server room throughout the day. Which of the following is the NEXT step the administrator should take?

A.

Verify the configuration of the connected port on the network switch.

B.

Reboot the server.

C.

Install a new NIC on the server.

D.

Verify that network cables are connected.

Answer: D

Explanation:

QUESTION NO: 421

A company utilizes the GFS backup standard. Which of the following describes this backup method?

A.

Greatest, Final, Sequential

B.

Full, Partial, Incremental

C.

Monthly, Weekly, Daily

D.

Full, Differential, Incremental

Answer: C
Explanation:

QUESTION NO: 422

Which of the following concepts is described as multiple logical subnets traversing the same physical network?

A.
DHCP

B.
VLANs

C.
DMZ

D.
VPNs

Answer: B
Explanation:

QUESTION NO: 423

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

Answer: D

Explanation:

QUESTION NO: 424

Which of the following must be done to properly conduct testing of the data backup portion of a disaster recovery plan?

A.
Perform an integrity test of backup media.

B.
Verify data on backup media can be read.

C.
Verify that backups have occurred and were successful via the logs.

D.
Restore backed up data to a test server.

Answer: D
Explanation:

QUESTION NO: 425

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.

Answer: A
Explanation:

QUESTION NO: 426

An administrator attempts to install the latest security patches for an older server. When the administrator runs the patch installer, the install fails. The administrator tries again, and the installer fails again. Which of the following is the MOST likely reason for this?

A.
The administrator improperly configured the virtual memory settings on the server.

B.
The administrator is using incorrect patch switches for the install.

C.
The administrator is trying to install security patches for software that is not installed.

D.
The administrator is trying to install patches that require hard drive encryption on the server.

Answer: C
Explanation:

QUESTION NO: 427

Which of the following BEST describes server virtualization?

A.
A single logical server operating on multiple physical servers.

B.
Applications hosted on a single server and deployed to multiple users.

C.
Multiple servers used to host applications for multiple users.

D.
Multiple logical servers operating on the same physical server.

Answer: D
Explanation:

QUESTION NO: 428

An administrator has encountered a problem with a particular piece of software installed on the server and begins the troubleshooting process. Which of the following is the FIRST place the administrator should look for specific information about the problem?

A.
The supporting documentation

B.
The vendors website

C.
The Internet

D.
The servers event logs

Answer: D
Explanation:

QUESTION NO: 429

Which of the following is the MOST important factor when considering environmental factors?

A.
Server room access should be limited to authorized personnel.

B.
Servers should be kept in a warm and dark environment.

C.
Remove the floppy drives from the system.

D.
The server administrator should ensure adequate levels of cooling.

Answer: D
Explanation:

QUESTION NO: 430

Which of the following ports does a telnet application utilize?

A.
21

B.
23

C.
80

D.
443

Answer: B
Explanation:

QUESTION NO: 431

Which of the following is the MOST common problem that occurs in server rooms?

A.
Excessive cooling

B.
Dust buildup

C.
Poor ground wires

D.
Wet floors

Answer: B
Explanation:

QUESTION NO: 432

Which of the following is an environmental server maintenance task that should be performed every three months?

A.

Replace the rubber mats in the server room

B.

Clean the servers to limit dust buildup

C.

Wash the outside of the servers

D.

Replace the server fans

Answer: B

Explanation:

QUESTION NO: 433

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.

Answer: C

Explanation:

QUESTION NO: 434

Which of the following is the FIRST thing that should be done in order to begin reinstalling TCP/IP on the server?

A.

Configure netsh settings in case of backup

B.

Restart the server

C.

Notify users

D.

Uninstall TCP/IP

Answer: C
Explanation:

QUESTION NO: 435

Which of the following RAID arrays performs mirroring of the disks first, then striping of the disks?

A.
RAID 1

B.
RAID 0+1

C.
RAID 6

D.
RAID 10

Answer: D
Explanation:

QUESTION NO: 436

Which of the following is the BEST place to find the latest BIOS upgrade of the server system board?

A.
Third-party vendor

B.

BIOS manufacture website

C.

Operating system manufacture website

D.

Servers manufacture website

Answer: D

Explanation:

QUESTION NO: 437

Which of the following would be the BEST configuration when using seven SCSI drives in order to have full fault tolerance?

A.

RAID 0+1

B.

RAID 0

C.

RAID 1

D.

RAID 5

Answer: D

Explanation:

QUESTION NO: 438

A company would like to upgrade an old server to a multi-processor box. The server currently has a single 3.0GHz 1Mb cache processor in it with a single empty socket. The only processor that is available from a manufacturer is a 3.0GHz 2Mb cache model. Which of the following is the BEST reason why this upgrade will not work?

A.

The socket size does not match

B.

The cache is from a different manufacturer

C.

The processors do not match

D.

Processors cannot be upgraded after server has been deployed

Answer: C
Explanation:

QUESTION NO: 439

A server has a single, half height, PCI-X 3.3v slot available. Which of the following cards can fit in this slot? (Select THREE).

A.
Half Height, Universally Keyed PCI card

B.
Full Height, 3.3v PCI-X card

C.
Half Height, x16 PCI Express Card

D.
Half Height, 3.3v PCI card

E.
Half Height, Universally Keyed PCI-X card

F.
Full Height, Universally Keyed PCI card

G.
Half Height, x8 PCI Express Card

Answer: A,D,E
Explanation:

QUESTION NO: 440

A company has a corporate office building that is used by 50 to 100 unique visitors each day for meetings. Users routinely report that they are unable to access the network with their laptops when visiting this location.

The help desk reports that these users are not getting IP addresses automatically assigned.

After an investigation, the server administrator has determined that the DHCP service is functioning, but a minimal number of addresses are available for lease.

The building is on its own class C subnet and has 250 addresses in the scope. Which of the following represents a long term solution tothe problem?

A.
Manually delete address leases from DHCP.

B.
Create reservations in DHCP for users frequently visiting this location.

C.
Assign static IP addresses to visiting laptops.

D.
Reduce the lease duration in the DHCP scope options to one day.

Answer: D
Explanation:

QUESTION NO: 441

An administrator notes that after a recent power outage, some open files were corrupted on one affected file server. Which of the following items should the administrator consider to determine the cause of this corruption?

A.
The servers memory

B.
The servers RAID controller battery

C.
The servers processor

D.
The servers NIC teaming configuration

Answer: B
Explanation:

QUESTION NO: 442

An administrator is required to backup 250GB nightly utilizing a single LTO2 tape. The administrator reports that the tape drive is running out of available space before the job completes. Which of the following would allow the administrator to backup this data? (Select TWO).

A.
Enable compression on the LTO2 drive

B.
Utilize LTO3 tapes in the existing drive

C.
Reduce the amount of data on the backup

D.
Replace the LTO2 with LTO3 drive and tapes

E.
Divide the data and back up half one night and half the next

Answer: A,D
Explanation:

QUESTION NO: 443

A user calls the system administrator and states that they can no longer access the file server they had been working on all morning. To troubleshoot this problem, which step should the administrator take FIRST?

A.
Reboot the file server.

B.
Ask the user what they were doing when they noticed the problem.

C.
Ask the user to reboot their PC.

D.
Ask the user to ping the default gateway and report the response times back to the administrator.

Answer: B
Explanation:

QUESTION NO: 444

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

Answer: B,C
Explanation:

QUESTION NO: 445

A user is reporting that access to a file server is much slower than it has been. The system administrator completes a test of the server using a system monitoring tool and compares it to the previously taken baseline. The comparison shows that there are no significant changes in the use of system resources. Which of the following actions should be taken to resolve this users problem?

A.
Add additional RAM to the users PC

B.
Troubleshoot the users PC

C.
Add additional RAM to the server

D.
Add additional hard drive space to the server

Answer: B
Explanation:

QUESTION NO: 446

An administrator is planning an upgrade of a major software package on an application server.

The software has been tested successfully in a test environment and it is ready to go into production. Which of the following steps should the administrator take next?

A.
Identify necessary operating system updates

B.
Implement the change

C.
Document the change

D.
Schedule system down time

Answer: D
Explanation:

QUESTION NO: 447

In order to utilize most server management software, an administrator will have to install which of the following?

A.
SNMP

B.
SMTP

C.
IPv6

D.
UDP

Answer: A
Explanation:

QUESTION NO: 448

A SAN attached production file server is required to be backed up nightly according to company policy.

Recently the data to be backed up has increased to approximately 4TB. Currently, the server has a single attached LTO2 tape drive. Which of the following should the server administrator do to provide enough backup capacity for the nightly job?

A.
Replace the backup software with a more efficient application.

B.
Reduce the amount of data to be backed up.

C.
Replace the LTO2 tape drive with an LTO3 tape drive.

D.
Replace the single tape drive with a tape library.

Answer: D
Explanation:

QUESTION NO: 449

A server has 500GB of data that must be backed up nightly. The administrator has upgraded the old LTO2 drive to an LTO3, but the data still will not fit on a single tape. Which of the following additional steps should the administrator perform to accommodate the data? (Select TWO).

A.

Enable compression on the new drive

B.

Reformat all tapes

C.

Delete unnecessary system files

D.

Purchase LTO3 tapes for use in the new drive

E.

Purchase new backup software

Answer: A,D
Explanation:

QUESTION NO: 450

Which of the following provides the BEST security and accountability for a Data Center?

A.
Entry logging

B.
Combination locks

C.
Card keys

D.
Dead bolts

Answer: C
Explanation:

QUESTION NO: 451

Which of the following cable types can be used to decrease susceptibility to electronic eavesdropping?

A.

Fiber optic

B.

Fast Ethernet

C.

Coaxial

D.

Thicknet

Answer: A

Explanation:

QUESTION NO: 452

For client computers to access the Internet when using DHCP, the DHCP server must have configurations for at LEAST which of the following? (Select TWO).

A.

Gateway address

B.

SNA server

C.

Mail server

D.

Web server

E.

Subnet mask

Answer: A,E

Explanation:

QUESTION NO: 453

When running a Windows server, which option is used with the ping command to define the number of packets transmitted?

A.

-n

B.

-a

C.

-r

D.

-v

Answer: A
Explanation:

QUESTION NO: 454

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

Answer: B
Explanation:

QUESTION NO: 455

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

A.

Full

B.

Compressed

C.

Copy

D.

Differential

E.

Incremental

Answer: A,E

Explanation:

QUESTION NO: 456

Which of the following memory types is located in the processor chip?

A.

EDO

B.

L1

C.

xD

D.

DDR

Answer: B

Explanation:

QUESTION NO: 457

For a technician to test network connectivity to a remote host on a Unix Server which of the following commands should they run?

A.

IPCONFIG

B.
PING

C.
ARP

D.
IFCONFIG

Answer: B
Explanation:

QUESTION NO: 458

A technician wants to increase the reliability of a DHCP server. Which of the following components should be installed to increase the server's uptime on the network?

A.
Increase the amount of RAM

B.
Use a lower voltage power supply

C.
Add a hardware firewall

D.
Install redundant NICs

Answer: D
Explanation:

QUESTION NO: 459

Which of the following is a standard IEEE 1394 transmission speed?

A.
100Mbps

B.
400Mbps

C.
480Mbps

D.
1000Mbps

Answer: B
Explanation:

QUESTION NO: 460

Which of the following offers the highest level of redundancy in the design of a storage system?

A.
A Dual Port HBA with a pair of Point-To-Point connections to the SAN.

B.
Two Single Port HBAs connected to a fiber switch.

C.
A Dual Port HBA with a Point-To-Point connection to a SAN.

D.
Two Dual Port HBAs connected to a pair of fiber switches.

Answer: D
Explanation:

QUESTION NO: 461

Which of the following backup methods should be used nightly to ensure backups capture all necessary data in the LEAST amount of time?

A.
Daily

B.
Incremental

C.
Normal

D.
Differential

Answer: B

Explanation:

QUESTION NO: 462

An administrator is upgrading the backup server from a single tape drive to a SCSI tape library.

The library has been unpackaged, mounted, and the library drivers installed. Which of the following items should the administrator have to connect the device to the backup server?

A.
SCSI cable

B.
SCSI interface adapter on the tape library

C.
SCSI termination card on the server

D.
iSCSI cable

Answer: A

Explanation:

QUESTION NO: 463

When installing external SCSI devices, terminators are required on: (Select TWO)

A.
the SCSI adapter.

B.
each device.

C.
the first device.

D.

the last device.

E.

the servers parallel port.

Answer: A,D

Explanation:

QUESTION NO: 464

A company has recently upgraded all backup hardware and media from DLT IV to LTO3 tapes and tape drives. Several weeks after the upgrade, the development team discovers a corruption in one of the application servers and must restore from one of the DLT IV tapes.

Which of the following steps are necessary for the server administrator to use these tapes?

A.

Reformat the DLT IV tape in LTO3 format. Load the tape.

B.

Install the DLT IV driver on the LTO3 drive. Load the tape.

C.

Load the DLT IV tape into the LTO3 drive.

D.

Replace the LTO3 drive with a DLT IV tape drive. Load the tape.

Answer: D

Explanation:

QUESTION NO: 465

A technician is responsible for overseeing twelve remote offices. There was a report of a power outage at one of the remote offices the night before, and now one of the servers there has not rebooted even though it was shut down gracefully. The technician was forced to travel two hours just to turn the server on. Which of the following is the MOST cost effective way to prevent future travel?

A.

Install a generator onsite.

B.
Install a remote management card in the server.

C.
Install an uninterruptible power supply (UPS) onsite.

D.
Move the server to the main office.

Answer: B
Explanation:

QUESTION NO: 466

A technician has found that the uninterruptible power supply (UPS) connected to a server does not have sufficient battery power to allow the server to shutdown gracefully. Which of the following is the MOST cost effective way to allow this server to shutdown gracefully?

A.
Install a second UPS.

B.
Increase the size of the swapfile.

C.
Increase the size of the pagefile.

D.
Install an extended battery pack into the UPS.

Answer: D
Explanation:

QUESTION NO: 467

After installing a second processor and corresponding heatsink into a server, an administrator notices that the new processor is not showing up during POST. Which of the following could be the cause of this issue?

A.

The power supply is not sufficient to power the server.

B.

The voltage regulator module (VRM) was not installed.

C.

The IRQ setting was not set.

D.

The DMA setting was not set.

Answer: B
Explanation:

QUESTION NO: 468

When cabling a rack, which of the following is BEST practice?

A.
Use rack specific cabling hardware

B.
Let cables hang loosely behind the servers

C.
Channel all power cables down the sides, and all network cables down the center

D.
Keep cables close to the front of the rack for better access

Answer: A
Explanation:

QUESTION NO: 469

Which of the following is a bus mastering method? (Select TWO).

A.
A device transfers data directly to the memory.

B.

A device handles mediation between the northbridge and the processor.

C.

A device connects to another device without involving the processor.

D.

A device transfers data to the processor and then on to the memory.

E.

A device handles mediation between the southbridge and the processor.

Answer: A,C
Explanation:

QUESTION NO: 470

Which of the following defines memory interleaving?

A.
The distribution of data written across all the memory DIMMs and the L1 cache

B.
The distribution of data written across all the memory DIMMs in one bank

C.
The distribution of data written across all the memory DIMMs and the processor

D.
The distribution of data written across all the memory DIMMs and the L2 cache

Answer: B
Explanation:

QUESTION NO: 471

A technician wants to compare a new servers performance over a period of time. Which of the following should the technician do FIRST?

A.
Monitor processor performance logs

B.

Constantly check the task manager

C.

Use performance server logs

D.

Establish a baseline for the server

Answer: D
Explanation:

QUESTION NO: 472

While working in the server room a technician notices that water is forming on the walls of the server room. Which of the following is the BEST course of action to correct the problem?

A.

Contact facilities staff to adjust the humidity levels.

B.

Leave the temperature the same, after time it will evaporate on its own.

C.

Lower the temperature, the cold air will help the water evaporate.

D.

Contact facilities staff to raise the temperature of the room.

Answer: A
Explanation:

QUESTION NO: 473

An administrator is creating a comprehensive backup system to backup a single web server.

Which of the following is the BEST way to provide full restore?

A.

Take an image backup nightly while the server is online.

B.

Take an incremental backup while the server is offline.

C.

Take a monthly snapshot backup while the server is online.

D.

Take a differential backup while the server is online.

Answer: A
Explanation:

QUESTION NO: 474

An administrator confirmed that the company's public website keeps presenting a certificate warning asking whether this site should be trusted when accessing it over HTTPS. Which of the following is the MOST likely cause for this issue?

A.

Private key is missing from the certificate.

B.

Public key is missing from the certificate.

C.

SSL certificate is not trusted by the intermediate CA.

D.

SSL certificate is not issued by a trusted root CA.

Answer: D
Explanation:

QUESTION NO: 475

Which of the following multifactor authentication methods does the smart card satisfy?

A.

Something you have

B.

Something you know

C.

Something you are

D.

Something you look like

Answer: A
Explanation:

QUESTION NO: 476

A server administrator suspects that an unauthorized email relay agent is running on a web server. The web server has a hostname of web1.example.com and an IP address of 199.90.89.51. Which of the following commands should the server administrator execute to verify these suspicions?

A.

telnet web1.example.com 25

B.

telnet web1.example.com 23

C.

telnet 199.90.89.51

D.

telnet 199.90.89.51 80

Answer: A
Explanation:

QUESTION NO: 477

An administrator needs to build a new virtualization host. The hypervisor should be able to directly access the server hardware and allow the host to provide maximum performance. Which of the following types of hypervisors should the administrator install to BEST meet these goals?

A.

Install a Type 1 hypervisor.

B.

Install a Type 2 hypervisor.

C.

Install a 32-bit hypervisor.

D.

Install a hybrid hypervisor.

Answer: A
Explanation:

QUESTION NO: 478

A server is installed in a location that is prone to power failures. While the server is connected to a UPS, the systems administrator is still concerned about ensuring the integrity of the data being written to the RAID array. Which of the following is the systems administrator MOST likely to do?

A.

Install additional memory on the RAID controller.

B.

Install redundant RAID controllers.

C.

Install battery-backed cache on the RAID controller.

D.

Install updated firmware on the RAID controller.

Answer: C
Explanation:

QUESTION NO: 479

An administrator is configuring a server for remote access. The administrator wants to be able to power on a server from a remote location. Which of the following needs to be configured on the

server to accomplish this task?

A.

Configure ILO/iDRAC on the server.

B.

Configure VPN access on the server.

C.

Configure the serial connection.

D.

Configure the boot sequence.

Answer: A

Explanation:

QUESTION NO: 480

An administrator has been given a CIDR/22 IP address block and needs to assign addresses to a multitude of virtual workstations. Which of the following servers will MOST likely perform this task?

A.

DNS server

B.

DHCP server

C.

RAS

D.

WINS server

Answer: B

Explanation:

QUESTION NO: 481

A technician is troubleshooting a hardware issue with a blade. When the technician inserts the

blade into a slot, the blade will not power up. The blade will power up, however, in another chassis that has the same configuration. The blade management software reports no issue with the chassis or with any other blades. Which of the following is the MOST likely cause of the blade not powering up?

A.
Chassis firmware

B.
Chassis power supply

C.
Slot in backplane

D.
Blade management module

Answer: C
Explanation:

QUESTION NO: 482

A technician needs to replace a hot swap coolong fan in a server. The server resides at U26 of a 42U rack that is fully populated with servers. The technician is unable to remove the server from the rack without powering off the server first. Which of the following should have been installed at the time the server was installed in the rack?

A.
A UPS

B.
Cable management arms

C.
Server rail kits

D.
Management modules

Answer: C
Explanation:

QUESTION NO: 483

An IT manager needs to purchase client access licenses for servers. The network has ten workstations and 100 on-site users. Which of the following licensing models should the systems administrator recommend ?

A.
per user licensing

B.
per CPU licensing

C.
per operating system licensing

D.
per device licensing

Answer: A
Explanation:

QUESTION NO: 484

An administrator is attempting to connect a laptop directly to a server's 100Mbps management NIC.

Which of the following cables should the administrator use ?

A.
Rollover

B.
Straight through Cat 5

C.
Straight through Cat 5e

D.
Crossover

Answer: D
Explanation:

QUESTION NO: 485

A technician receives errors that a server's internal temperarture is approaching an unsafe limit. After opening up the chassis, all fans are operational. Which of the following should be checked NEXT ?

A.
Blockage of the cooling system

B.
Fire suppression system

C.
Uninterruptible power supply load

D.
Location of the server

Answer: A
Explanation:

QUESTION NO: 486

A system administrator is creating a backup schedule. Which of the following is a best practice to ensure the data is backed up, based on a five-day business week ?

A.
Full on Sundays; incremental on business days

B.
Incremental on Sundays; differential on business days

C.
Snapshot on Sundays, differential on business days

D.
Incremental on Sundays; snapshot on business days

Answer: A

Explanation:

QUESTION NO: 487

A server technician is reviewing a server and notices the server hard disk supports up to 15000rpm. The technician is reviewing whether the hard drive can be upgraded from 40GB to 136GB for primary storage size. Given this scenario, which of the following is the technician MOST likely to do next ?

A.
Procure a 136GB SAS interface storage device

B.
Procure a 136GB SATA interface storage device

C.
Procure a 136GB USB interface storage device

D.
Procure a 136GB FireWare interface storage device

Answer: A
Explanation:

QUESTION NO: 488

In terms of security, which of the following comprises « something you have » ?

A.
ID card

B.
user ID

C.
Password

D.
Retina scan

Answer: A

Explanation:

QUESTION NO: 489

A systems administrator is tasked to add an existing user to an existing group on a local Linux system. Which of the following files should be edited to accomplish this task?

A.
/etc/group file

B.
/etc/passwd file

C.
/etc/hosts file

D.
/etc/group_membership file

Answer: B

Explanation:

QUESTION NO: 490

Users are trying to access the company time card website. They cannot access it by URL, but they can access it by IP address. Which of the following protocols is MOST likely causing this issue?

A.
DNS

B.
DHCP

C.
HTTPS

D.
SFTP

Answer: A

Explanation:

QUESTION NO: 491

A server technician wishes to buy the best possible server for RAID 5. Which of the following types of servers is BEST suited for RAID 5?

A.
Tower servers

B.
Redundant servers

C.
Blade servers

D.
Stand-alone servers

Answer: B

Explanation:

QUESTION NO: 492

An administrator is deploying 1000 new servers in a datacenter. A vendor will install the servers on racks and connect cables. Which of the following technologies would BEST for the administrator to use to install operating systems to all 1000 servers in the shortest time possible? (Select two.)

A.
SFTP

B.
TFTP

C.
PXE

D.
UDP

E.
USB

F.
DVD

Answer: C
Explanation:

QUESTION NO: 493

An administrator notices that several servers have become noticeably slower. Logs show that an optional update was applied to these same servers. A BEST practice before running updates is:

A.
to run a performance baseline

B.
to update the BIOS firmware

C.
to have a complete backup of the server

D.
to restart the servers

Answer: A
Explanation:

QUESTION NO: 494

A server has a file share for each department. An auditor has discovered that all users have access to all of the departmental shared folders. Which of the following is the BEST solution to ensure users have access to the shared folders of only their department?

A.
Create security groups, add the users to the security groups according to their departments, and grant the security groups access to the file shares according to each department.

B.
Delete the shared folders and create new shared folders, and grant the users access to the shared folders according to their departments.

C.
Remove everyone from the shared folders, create a security group for each department, add the users to the security groups, and grant each security group access to its own shared folders.

D.
Remove everyone from the shared folders, grant full access to the IT administrators, and instruct the users to ask managers permission to be re-added to the shared folders according to their department.

Answer: C
Explanation:

QUESTION NO: 495

As a best practice, which of the following should be performed before placing a server on a network?

A.
Secure the disk

B.
Secure the server rack

C.
Harden the OS

D.
Install the application

Answer: C
Explanation:

QUESTION NO: 496

When using multifactor authentication, which of the following describes something you have?

A.
An ID card

B.
A PIN

C.
A fingerprint

D.
An access list

Answer: A
Explanation:

QUESTION NO: 497

A server technician is trying to minimize power outages using a UPS that is plugged into an outlet in the server room. Given this scenario, which of the following procedures should be followed to minimize outages?

A.
Ensure the UPS has a dedicated circuit

B.
Ensure the UPS circuit is shared with the office

C.
Ensure the UPS is connected to the main UPS

D.
Ensure the UPS is connected to a surge protector

Answer: A
Explanation:

QUESTION NO: 498

An administrator has been asked to put together a JBOD. Which of the following interfaces supports redundant controller? (Choose two.)

A.
DVD

B.
SAS

C.
SATA

D.
SSD

E.
USB

Answer: B,C
Explanation:

QUESTION NO: 499

During a power outage, the battery on the server motherboard is used to:

A.
keep the NIC information

B.
power the server in case main power is disconnected

C.
power the RAM

D.
keep the CMOS information

Answer: D
Explanation:

QUESTION NO: 500

A company implements a cold site for disaster recovery purposes due to a risk of hurricanes at its

headquarters location. Which of the following BEST describes why the company chose to use a cold site?

A.

Cold sites have fewer hurricanes than warm or hot sites.

B.

A hot or warm site would have a higher MTTR than a cold site

C.

Cold sites are the easiest to implement in the event of a disaster

D.

A hot or warm site would have higher setup and ongoing costs

Answer: D
Explanation:

QUESTION NO: 501

A systems administrator wishes to improve security in a datacenter. The administrator wants to be alerted whenever a hard drive is removed from the server room. Which of the following security measures would BEST accomplish this?

A.
RFID chips

B.
Security cameras

C.
Server and cabinet locks

D.
Mantrap

E.
Proximity reader

Answer: A
Explanation:

QUESTION NO: 502

An administrator is attempting an OS upgrade on a VM disk that is stored on a SAN. In the event of a failure, the administrator wants to ensure the system can return to a working state in the shortest amount of time possible. Which of the following backup methods would BEST accomplish this?

A.
A storage-level snapshot made on the SAN

B.
A full file-system backup stored on the SAN

C.
A full file-system backup stored on an LTO tape

D.
A system recovery point made with the OS

E.
A bit-level image stored on an SSD in the VM host

Answer: B
Explanation:

QUESTION NO: 503

A server technician has just replaced an Ethernet card in a server. Per company policy, all servers' network settings must be manually configured. The technician verified that the server can ping other servers on its subnet, but it cannot ping any servers that are on subnets other than its own. Which of the following is MOST likely the cause of this issue?

A.
The server is not joined to the domain

B.
The default gateway is misconfigured

C.
The subnet mask is misconfigured

D.
The WINS is misconfigured

Answer: B
Explanation:

QUESTION NO: 504

A user reports that email does not work. Which of the following ordered steps should the administrator take to address the issue according to the troubleshooting theory?

A.
Reboot the email server, document the findings, collect additional information about the issue, and then determine if the issue affects one or multiple users.

B.
Document the findings, determine if the issue affects one or multiple users, collect additional information about the issue, and then reboot the email server.

C.
Collect additional information about the issue, determine if the issue affects one or multiple users, reboot the email server, and then document the findings.

D.
Collect additional information about the issue, document the findings, determine if the issue affects one or multiple users, and then reboot the email server.

Answer: C
Explanation:

QUESTION NO: 505

An administrator needs to securely dispose of 150 computers with SATA HDDs. Which of the following methods would ensure all data is erased in the MOST secure manner?

A.
Use a degaussing tool on the hard drives

B.
Use disk-wiping software

C.
Use a utility to zero-fill the hard drive

D.

Use a shredder to physically destroy the platters

E.

Use fdisk to destroy the partition table

Answer: D

Explanation:

QUESTION NO: 506

A systems administrator is setting up a new SAN. Which of the following protocols should be used to access and manage the system?

A.

WWN

B.

NTP

C.

DNS

D.

SSH

Answer: D

Explanation:

QUESTION NO: 507

A server with a large amount of storage but not necessarily a very fast CPU would be BEST suited for which of the following applications?

A.

DNS server

B.

File server

C.

DHCP server

D.

Proxy server

Answer: B

Explanation:

QUESTION NO: 508

A network technician is replacing a failed drive in a RAID 5 array. Over time, access to the volumes in the array has slowed down. The technician wants to increase the speed of the RAID array and chooses to replace the 10000rpm SAS drive with a low-latency SSD drive. Which of the following is the problem with this solution?

A.

SSD drives cannot be used in RAID arrays

B.

Performance will not be increased

C.

SAS drives are faster due to their high spindle speed

D.

All the drives in the RAID array must be replaced simultaneously

Answer: D

Explanation:

QUESTION NO: 509

An administrator receives a call from a user reporting that one of the application servers is not accessible by host name but is accessible via an IP address. Which of the following is the MOST likely issue?

A.

The DNS reverse lookup zone is misconfigured.

B.

The DNS MX record type is misconfigured.

C.

The DNS resource record is missing.

D.

The DNS forward lookup zone is missing.

Answer: C
Explanation:

QUESTION NO: 510

A systems administrator backs up company data to the public cloud as part of a disaster recovery plan. Which of the following BEST describes this replication method?

A.
Disk-to-disk

B.
Server-to-client

C.
Site-to-site

D.
Peer-to-peer

Answer: C
Explanation:

QUESTION NO: 511

A server that can store extensible schema and communicate using SQL for describing transactions to be performed is commonly called a:

A.
database server

B.

directory server

C.

web server

D.

messaging server

Answer: A

Explanation:

QUESTION NO: 512

A systems administrator has created a guest VM on a hypervisor host. The guest VM would need to have a dynamic IP address assignment on the same subnet as the hypervisor. Which of the following network connectivity types should the administrator configure?

A.

Bridging

B.

NAT

C.

VLAN

D.

Spoofing

Answer: A

Explanation:

QUESTION NO: 513

An administrator wants to use a PowerShell cmdlet to find the running services on a Windows server. Which of the following are PowerShell cmdlet commands that will accomplish this task? (Choose two.)

A.

get-process

B.

get-service

C.

netstat

D.

get-wmiobject –class win32_service

E.

ipconfig

Answer: A,B
Explanation:

QUESTION NO: 514

An office experienced a long power outage that will require the servers to be powered on manually by a technician once a power is restored. Based on server roles, which of the following servers should be powered on manually by a technician once power is restored. Based on server roles, which of the following servers should be powered on FIRST?

A.
Directory server

B.
File server

C.
Web server

D.
Database server

Answer: A
Explanation:

QUESTION NO: 515

A user receives the following error message when attempting to log into a server: Username or password is invalid. Which of the following should the administrator do FIRST to fix the problem?

A.

Install OS patches

B.

Learn of any recent changes to the system

C.

Attempt to replicate the issue

D.

Restore the system from backups

Answer: B
Explanation:

QUESTION NO: 516

When a technician is given an iSCSI LUN, the server will be connected to which of the following? (Choose two.)

A.
SAN

B.
SATA

C.
SAS

D.
NAS

E.
SSD

Answer: A,D
Explanation:

QUESTION NO: 517

An administrator is installing a new OS on a brand new server. The administrator cannot bring a monitor or keyboard into the datacenter. Which of the following is the administrator MOST likely to use to configure the OS?

A.
Integrated lights out manager

B.
Remote desktop protocol

C.
Virtual network computing

D.
Keyboard – video – mouse

Answer: B
Explanation:

QUESTION NO: 518

A server prompts Ann, a user, to reset her logon password. The next time Ann tries to log onto the server, she cannot remember her new password. After several failed attempts, Ann receives a message that she cannot attempt to log on again without the help of an administrator. Which of the following should an administrator do to remedy this issue? (Choose two.)

A.
Reset Ann's password

B.
Unlock Ann's account

C.
Reboot the server

D.
Recreate Ann's profile

E.
Check Ann's profile

F.

Verify Ann's ACL

Answer: A,B

Explanation:

QUESTION NO: 519

A datacenter is running out of rack space. A server technician is asked to recommend a capacity planning and consolidation option that is feasible with the least amount of downtime. Which of the following options should the technician recommend?

A.
Replace the servers' internal storage with SAN

B.
Implement tower servers across the enterprise

C.
Replace 4U rack-mount servers with tower servers

D.
Implement blade servers across the enterprise

Answer: D

Explanation:

QUESTION NO: 520

Which of the following permissions would enable users to modify files or directories on a server?

A.
Access

B.
Execute

C.
Read

D.

Write

Answer: D
Explanation:

QUESTION NO: 521

A security administrator is investigating strange network behavior on a single VLAN that is used only by vendors. Which of the following tools would BEST allow the administrator to look at network traffic and investigate specific packets?

A.
Port scanner

B.
Cipher

C.
Sniffer

D.
Checksum

Answer: C
Explanation:

QUESTION NO: 522

After installing the operating system on a new server, which of the following best practices should be completed before joining the server to the domain? (Choose two.)

A.
Create a configuration and performance baseline

B.
Give the server a non-standard hostname so it is not recognized

C.
Install all roles and applications that may be needed

D.

Ensure all latest security patches are installed

E.

Detach network cables and ensure power is on redundant PDUs

Answer: A,D

Explanation:

QUESTION NO: 523

A remote datacenter that runs in parallel with a main datacenter, with devices powered on and communication taking place between the two datacenters, is known as which of the following?

A.

Hot site

B.

Warm site

C.

Cold site

D.

DR site

Answer: A

Explanation:

QUESTION NO: 524

A server administrator is updating the kernel for servers during the middle of the work day. After defining the steps required to perform this scope of work, which of the following would be the NEXT step needed to complete this task?

A.

Perform the system updates

B.

Determine MTTR

C.

Request an impact analysis report

D.

Schedule time to perform updates

Answer: D
Explanation:

QUESTION NO: 525

A Unix server completes POST successfully. The server starts to boot but crashes and halts on a transport error. Which of the following components should a technician check FIRST?

A.
Video card

B.
Cooling fan

C.
Memory module

D.
Hard drive

Answer: D
Explanation:

QUESTION NO: 526

A technician needs to create a rule in the firewall to convert the directory server's private IP address to its public IP address. Which of the following should the technician enable to accomplish this?

A.
NAT

B.

VPN

C.

DNS

D.

DMZ

Answer: A
Explanation:

QUESTION NO: 527

A technician is wiring up a new rack. Which of the following is the appropriate place for the power cord to wire this rack correctly?

A.

One power supply from each server should go to differing PDUs

B.

Each PDU should be plugged into a separate UPS

C.

Each UPS should be plugged into a different circuit

D.

Nothing should be plugged into the wall other than the UPSs

Answer: A
Explanation:

QUESTION NO: 528

An 800W power supply running full load at 220VAC (single phase) draws approximately:

A.

0.275A

B.

1.76A

C.
3.64A

D.
6.67A

Answer: C
Explanation:

QUESTION NO: 529

A technician is asked to make recommendations for purchase of new server hardware in a datacenter. Currently the datacenter is extremely limited in power available for new hardware, so the technician wants to recommend processors that utilize the least amount of power possible. Which of the following processor architectures should the technician suggest?

A.
ARM

B.
x64

C.
x86

D.
RISC

Answer: A
Explanation:

QUESTION NO: 530

A technician has installed an additional CPU into a server, but now the server is failing to pass POST. After verifying the CPU speed and multiplier, which of the following does the technician need to check for potential causes?

A.
ECC

B.
CAS

C.
Stepping

D.
Bus size

Answer: C
Explanation:

QUESTION NO: 531

An administrator is backing up a database server. The administrator must select a backup method that does not change the archive bit. Which of the following backup techniques should be used to meet these requirements?

A.
Full

B.
Incremental

C.
Differential

D.
Selective

Answer: C
Explanation:

QUESTION NO: 532

A server is rebooted after maintenance. Upon reboot, the video display reports it cannot find the boot loader. Which of the following should the administrator check FIRST?

A.

The server has a power surge

B.

The BIOS boot sequence is incorrect

C.

The server is overheating

D.

The boot loader is incompatible with the server

Answer: B
Explanation:

QUESTION NO: 533

The BEST way for a technician to configure a server rack for full power redundancy is:

A.

a single PDU attached to a single UPS

B.

multiple PDUs each attached to a single UPS

C.

multiple PDUs each attached to separate UPSs

D.

multiple PDUs attached to a high availability UPS

Answer: D
Explanation:

QUESTION NO: 534

Which of the following OSs would be the MOST appropriate to manage a server with an Active Directory?

A.

Linux Ubuntu

B.
Linux Fedora

C.
Mac OS X

D.
Windows Server 2013 Enterprise

Answer: D
Explanation:

QUESTION NO: 535

A systems administrator has been tasked to set up a new server to assign IP addresses on the network. The network administrator logs into the server, but cannot find the management tool to create a scope. Which of the following MOST likely happened to cause this?

A.
The systems administrator did not configure the routing and remote access server role.

B.
The systems administrator configured the wrong NTP server address.

C.
The systems administrator forgot to unblock port 67/68 in the firewall.

D.
The systems administrator did not install the DHCP server role.

Answer: D
Explanation:

QUESTION NO: 536

Which of the following plans describes the process by which an organization manages a major outage?

A.

Contingency

B.

Site-to-site backup

C.

Disaster recovery

D.

Business continuity

Answer: D

Explanation:

QUESTION NO: 537

A company hires a third-party vendor to perform a vulnerability scan of the network from outside the network. Which of the following pieces of information will be included in the scan results? (Choose two.)

A.

List of open ports

B.

List of OS patches to install

C.

Date of installed virus definitions

D.

List of server BIOS passwords

E.

List of firmware versions

Answer: A,B

Explanation:

QUESTION NO: 538

A server administrator wants to increase the availability of a web server without implementing a cluster. Which of the following would accomplish this task?

A.

Configure round robin DNS entries

B.

Configure an active/active service

C.

Configure an active/passive service

D.

Configure two servers with the same IP address

Answer: D
Explanation:

QUESTION NO: 539

An administrator is configuring a RAID array on a new server with parity and striping. Which of the following is the MINIMUM number of disks needed to implement this array?

A.
1

B.
2

C.
3

D.
4

Answer: C
Explanation:

QUESTION NO: 540

Immediately following a BIOS firmware update, a server detects an overheat condition and shuts down after five minutes. Which of the following should the systems administrator do FIRST?

A.

Ensure the system fans are running.

B.

Disconnect the server's power and restore the backup ROM.

C.

Run the hardware manufacturer's onboard diagnosis.

D.

Reapply thermal paste to the CPUs and heat sinks.

Answer: A

Explanation:

QUESTION NO: 541

An administrator is determining hardware requirements for a new, virtualized test environment. The vendor requires 8Gb of RAM for each host and 2Gb of RAM for each guest. If the server has a total of 32Gb of RAM, which of the following describes how many hosts and guests the server can support?

A.
4 hosts and 0 guests

B.
2 hosts and 8 guests

C.
1 host and 12 guests

D.
1 host and 16 guests

Answer: C
Explanation:

QUESTION NO: 542

A server with redundant power supplies connected to two different UPS units fails to gracefully shut down during a power outage. A technician has verified cables and both UPS units are properly connected. Which of the following hardware tools should the technician use to further troubleshoot this issue?

A.
Load tester

B.
OTDR

C.
Loopback plug

D.
Crimper

Answer: A
Explanation:

QUESTION NO: 543

An administrator is installing a 2U server from a remote location in a rack with 4U of available rack space. The administrator prepares the rack to accept the server. Which of the following is the MOST likely cause?

A.
Not enough physical space

B.
Mismatched rail kits

C.
Wrong cable management arms

D.
Broken rack rails

Answer: B
Explanation:

QUESTION NO: 544

Which of the following storage technologies provides block-level data access to storage volumes and arrays? (Choose two.)

A.
Optical drive

B.
DAS

C.
NAS

D.
SAN

E.
CIFS

F.
NFS

Answer: B,D
Explanation:

QUESTION NO: 545

A user notices that when plugging a company-assigned laptop into a network port it is able to get an IP address via DHCP. However, when plugging a personal laptop into the same port, it does not get a valid IP address. Which of the following is the MOST likely cause of this?

A.
The company is using 802.1X port security.

B.
The personal laptop is using an unsupported operating system.

C.
The network cable is only Cat 5e.

D.

Port 53 is closed on the personal laptop.

Answer: A

Explanation:

QUESTION NO: 546

A systems administrator sees a production server is missing a service pack and installs it during the day without notifying anyone. Later that day, users begin reporting issues accessing an application installed on the server. Upon investigation, it is discovered that the application will not start properly.

Adhering to which of the following processes would have BEST helped avoid this outage?

A.

Service level agreement

B.

Business continuity plan

C.

Business impact analysis

D.

Change management policies

Answer: D

Explanation:

QUESTION NO: 547

A systems administrator is inspecting a file server setup with a RAID 10 configuration among four 160GB SAS drives. The administrator has replaced all of the drives with 500GB SAS drives. Which of the following storage tools should the administrator use NEXT to effectively administer the change?

A.

Disk management tool

B.
Disk monitoring tool

C.
Disk cloning tool

D.
Disk partitioning tool

Answer: A
Explanation:

QUESTION NO: 548

An administrator needs to back up files from a server to the cloud. The administrator must select the most efficient type of backup technology that will update file changes the fastest and utilize the least amount of bandwidth. Which of the following backup technologies should the administrator select?

A.
File-level backups

B.
Block-level backups

C.
Snapshot-level backups

D.
Folder-level backups

Answer: B
Explanation:

QUESTION NO: 549

An employee is working from home and has to dial into the system. The employee is able to connect to the network but is unable to authenticate. Which of the following is MOST likely offline?

A.

Router

B.

RADIUS server

C.

DHCP server

D.

Firewall

Answer: B

Explanation:

QUESTION NO: 550

A user is reporting that a large file upload is slower to one particular server compared to other servers on the same network. Which of the following might account for the difference in upload speed?

A.

The subnet mask is set incorrectly

B.

The server is configured using DHCP instead of a static address

C.

The duplex setting is set to half instead of full

D.

The server is using private addressing instead of public

E.

The default gateway is set incorrectly

Answer: C

Explanation:

QUESTION NO: 551

An administrator has a drive working properly under Linux and moves it to a Windows server. Which of the following should be performed to ensure Windows can read the disk?

A.

Format the drive with ext2.

B.

Format the drive with ext4.

C.

Format the drive with NTFS.

D.

Format the drive with UFS.

Answer: C

Explanation:

QUESTION NO: 552

A blade server consumes 2000W at full power in a chassis that holds four power supplies. Which of the following is the MINIMUM amount of 900W power supplies needed to power the blade chassis?

A.
One

B.
Two

C.
Three

D.
Four

Answer: C

Explanation:

QUESTION NO: 553

A technician was assigned new storage for the server from the storage administrator. The technician is unable to see the storage on the server, but the previously assigned storage is visible and working properly. Which of the following should the technician do FIRST in order to see the storage on the server?

A.

Perform a rescan of the disk.

B.

Install the storage device drivers.

C.

Assign a drive letter to the new storage.

D.

Format the new storage.

Answer: A

Explanation:

QUESTION NO: 554

A technician wants to copy files from one server to another by connecting the servers directly. Which of the following cables should the technician install to achieve this?

A.

Cat 5e crossover

B.

Cat 6 straight through

C.

Single-mode fiber

D.

Multimode fiber

Answer: A

Explanation:

QUESTION NO: 555

A technician installed a new 2GB hard drive on a server, but it only shows 1.86GB of unformatted space. Which of the following is a reason for the difference?

A.
Manufacturers use base 10 instead of base 2 in advertising disk space.

B.
A swap file is added to the drive automatically, reducing available disk space.

C.
The disk controller maps out a section of hard drive space for diagnostics.

D.
Disk drivers consume space of the hard drive.

Answer: A
Explanation:

QUESTION NO: 556

A technician receives a report that two users are having difficulty retaining connections to a server hosting a company application. On testing, the technician sees the following:

Initial connections to the server are sporadic.

If connected, the client is dropped within 30 seconds.

Attempting to reconnect is sometimes successful but other times requires multiple attempts.

Local testing on the server reveals no problems.

Given these symptoms, which of the following is the MOST likely cause of the problem?

A.
Two workstations have been configured with the same IP address.

B.
Two separate NICs have the same MAC address.

C.
There are multiple DNS entries for the same host.

D.
Routing has been configured incorrectly for the clients.

Answer: A
Explanation:

QUESTION NO: 557

Which of the following storage techniques would be BEST suited for distributing backups across a large LAN?

A.
NAT

B.
SAN

C.
BAE

D.
JBOD

Answer: B
Explanation:

QUESTION NO: 558

An administrator has 120V, 150-amp service in the datacenter. Which of the following is the MAXIMUM number of servers with a faceplate rating of 65W that can be racked in the datacenter?

A.
200

B.
225

C.
250

D.
275

E.
300

Answer: D
Explanation:

QUESTION NO: 559

A server supports a maximum of six hot-swap hard drives. It currently has four drives installed. The administrator has a bare hard drive on hand as a cold spare. Which of the following parts would the administrator need to have to install the drive as a hot spare?

A.
SATA cable

B.
Drive tray

C.
SAS interposer

D.
Redundant controller

Answer: A
Explanation:

QUESTION NO: 560

An administrator is working with an electrician to design a new datacenter. The datacenter will have desktop PCs, phone switches, and racks of servers. Which of the following BEST describes the types of power the electrician should plan to deliver in the new datacenter? (Select THREE).

A.
12V

B.
24V

C.
48V

D.
60V

E.
110V

F.
220V

G.
440V

Answer: C,E,F
Explanation:

QUESTION NO: 561

An administrator is configuring a multi-terabyte storage array for high-speed file access by a Unix system. Which of the following filesystem types would be best for the administrator to implement?

A.
Ext2

B.
NTFS

C.
ReiserFS

D.
ZFS

Answer: D
Explanation:

QUESTION NO: 562

A network administrator is creating a subnet that needs a maximum of two networks in the DMZ. Which of the following subnet masks should the administrator use?

A.
255.255.0.0

B.
255.255.255.0

C.
255.255.255.128

D.
255.255.255.254

Answer: C
Explanation:

QUESTION NO: 563

A large corporation uses the following methods of multifactor authentication to access secure areas:

Electronic key badges

Facial recognition

Passphrase

An employee who was on extended medical leave returned to work and retained access to the building, but was denied access to a particular secure area. Which of the following is the MOST likely reason why access was denied?

A.
The employee lost weight, causing facial recognition to fail.

B.
The employee provided the wrong electronic key badge.

C.
The employee used a passphrase that was too long.

D.
The employee arrived outside regular business hours.

Answer: A
Explanation:

QUESTION NO: 564

A manager notices the administrators spend a lot of time running power cords and network cables when installing new servers. The manager wants to reduce the amount of time administrators spend doing the power and network cabling. Which of the following will best allow staff to reduce that time?

A.
Mainframe

B.
Tower

C.
2U rackmount server

D.
Blade server

Answer: D
Explanation:

QUESTION NO: 565

A technician is troubleshooting a server that is inaccessible to customer at a remote site but accessible to customers locally. The only configuration that has changed is the internal IP address. Which of the following still needs to be configured?

A.
DHCP

B.
DNS

C.
Firewall rule

D.
Routing table

Answer: D
Explanation:

QUESTION NO: 566

A new server comes with four CPU sockets. Which of the following describes how many dual-core microprocessors will fit on this server?

A.
1

B.
2

C.
4

D.
8

Answer: C
Explanation:

QUESTION NO: 567

A systems administrator recently added more memory to a database server. A week later, end users were reporting memory errors when running large queries, even though these queries worked before. Which of the following should the systems administrator do FIRST to troubleshoot this issue?

A.
Reseat the memory module.

B.

Increase the amount of virtual memory.

C.

Check the hard drive errors.

D.

Adjust memory size in the BIOS.

Answer: D
Explanation:

QUESTION NO: 568

A technician is trying to configure a NIC on a server. Which of the following is an invalid method to express subnetting?

A.
/24

B.
192.168.0.1

C.
255.254.0.1

D.
255.255.255.0

Answer: B
Explanation:

QUESTION NO: 569

An administrator has installed an OS on a server. The administrator is able to ping directory server by IP address but is unable to join the domain. Which of the following could be causing the problem?

A.

IP address conflict

B.
Incorrect default gateway

C.
Incorrect subnet mask

D.
Misconfigured DNS settings

E.
MAC address conflict

Answer: D
Explanation:

QUESTION NO: 570

A technician finds a pile of cables hanging straight down off the back of several servers. This is preventing the technician from pulling the server out of the rack for maintenance. Which of the following would have prevented this problem?

A.
Use of rail kits

B.
Use of hook and loop fastener

C.
Use of cable management arms

D.
Use of PDUs

Answer: C
Explanation:

QUESTION NO: 571

A web server was configured with a 20GB hard drive. Administrators notice the hard drive runs out of space approximately every ten days, even though there were no changes made to the server. Which of the following is the MOST likely cause of the storage filling up?

A.
Temporary directories

B.
Log files

C.
Service packs

D.
Patches

Answer: B
Explanation:

QUESTION NO: 572

A technician has just replaced a server that has been damaged by a lightning strike. A power protection device is installed on the new server. This is an example of:

A.
establishing a theory of probable cause.

B.
implementing preventive measures.

C.
root cause analysis.

D.
escalating as appropriate.

Answer: B
Explanation:

QUESTION NO: 573

An IDS alert is sent to the server administrator indicating an unauthorized access attempt is occurring against a secure file server on the network. Which of the following tools will BEST help confirm this alert?

A.
Protocol analyzer

B.
Port scanner

C.
Anti-malware scan

D.
MD5 checksum analysis

Answer: A
Explanation:

QUESTION NO: 574

Which of the following types of network cable would be BEST to attach to a high-performance server?

A.
Twisted pair

B.
Coaxial

C.
Fiber

D.
Crossover

Answer: C
Explanation:

QUESTION NO: 575

After a power failure of a datacenter rack, one of the physical servers did not automatically boot up. Which of the following should the technician use to boot the server remotely?

A.
iLO

B.
KVM

C.
SSH

D.
RDP

Answer: A
Explanation:

QUESTION NO: 576

A server lost power and will not reboot. The KVM indicates the OS cannot be found. Which of the following actions should an administrator take to fix this issue?

A.
Change the BIOS boot order.

B.
Reload the OS from DVD.

C.
Restore the IS from backup.

D.
Confirm the partition table as active.

Answer: A
Explanation:

QUESTION NO: 577

The process of provisioning guest and host virtualization is considered:

A.

resource conservation.

B.

resource allocation.

C.

resource partition.

D.

resource method.

Answer: B
Explanation:

QUESTION NO: 578

A physical server at a remote location has failed POST. A reboot of the server is required to fix the issue, but the systems administrator is unable to access the operating system. Which of the following tools should the administrator use to reboot the server?

A.
SSH

B.
RDP

C.
VNC

D.
iLO

Answer: D
Explanation:

QUESTION NO: 579

During a lunch-and-learn session, IT staff and members participate in virtualization trivia. Which of the following are valid answers about hosts, guests, virtual NICs, and virtual switches? (Select TWO).

A.
A host contains virtual switches and virtual NICs.

B.
A guest contains one or more virtual NICs.

C.
A hypervisor is installed on a guest.

D.
A hypervisor is installed on a host.

E.
A guest contains one or more physical NICs.

Answer: B,D
Explanation:

QUESTION NO: 580

A systems administrator is experiencing slowness with an application. Users are reporting the same problem. Which of the following documents would MOST likely be used to determine the cause of the slowness?

A.
Network diagram

B.
Server manuals

C.
Dataflow diagram

D.
Recovery documentation

Answer: C
Explanation:

QUESTION NO: 581

While attempting to take a snapshot of a virtual server before a major OS upgrade, a server administrator gets an error. Which of the following should the server administrator perform FIRST?

A.
Turn off the virtual machine.

B.
Turn off the physical machine.

C.
Remove any directly connected hardware to the virtual server.

D.
Remove any directly connected hardware to the physical server.

Answer: D
Explanation:

QUESTION NO: 582

A systems administrator is informed that users are unable to connect to the database. After investigating, the administrator determines the source of the problem and corrects the issue. Following up, the systems administrator informs the Chief Technology Officer (CTO) of the findings. Which of the following documents did the systems administrator provide to the CTO?

A.
Service level agreement

B.
Root cause analysis

C.
Request for change

D.
Acceptable use policy

Answer: B

Explanation:

QUESTION NO: 583

A server on the network stores sensitive data for a department in the company. Many users in that department access the data. A systems administrator has been instructed to ensure only this data is encrypted in the most efficient manner. Which of the following solutions is BEST?

A.
Disk-level encryption

B.
File-level encryption

C.
Data transfer encryption

D.
User-initiated encryption

Answer: C
Explanation:

QUESTION NO: 584

A technician installs a server in a rack. After installing the server, the technician notices the server requires power cables that demand NEMA L6-50 power receptacles. Which of the following voltages would NEMA L6-50 power receptacles indicate?

A.
-48 DC

B.
120V AC

C.
250V AC

D.
4400V AC

Answer: C
Explanation:

QUESTION NO: 585

An administrator is selecting hardware for a new application. There is no SAN storage available. The application requires 2.2TB of storage space, and the server has four available drive bays. Which of the following drive types will BEST meet these requirements?

A.
250GB 15000rpm SAS

B.
500GB 10000rpm SAS

C.
512GB SSD

D.
750GB 7200rpm SAS

Answer: D
Explanation:

QUESTION NO: 586

A server technician is notified that a server IP address is changing on the network. The technician changes the static IP address on the NIC to match the new address. However, when the technician issues the nslookup command with the hostname of the machine, the old IP address assignment is still being reported. The technician also performs a reverse DNS lookup using the old IP and verifies the FQDN of the server is reported. Given this scenario, which of the following should the technician inspect to resolve this issue? (Select TWO).

A.
DNS CNAME record type

B.
DNS A record type

C.

DNS PTR record type

D.
DNS SRV record type

E.
DNS MX record type

Answer: B,C
Explanation:

QUESTION NO: 587

An administrator is opening a firewall to allow encrypted communication with a website. Which of the following is the administrator MOST likely to open on the firewall?

A.
TCP:143

B.
UDP:143

C.
TCP:443

D.
UDP:443

Answer: C
Explanation:

QUESTION NO: 588

While preparing a server for a failed component swap, a server administrator notices there is a large number of static discharges prior to connecting the ESD strap. Which of the following controlled environmental attributes could cause a large number of static shocks?

A.
Low air humidity

B.

High temperature

C.

Excessive dust buildup

D.

Lack of ventilation

Answer: A
Explanation:

QUESTION NO: 589

An IT manager has indicated the need to deploy a feasible standby storage file server that replicates the production data file server and should be quickly accessible from the network by all users when needed. Which of the following storage technologies would be MOST appropriate?

A.
JBOD

B.
DAS

C.
NAS

D.
SAN

Answer: C
Explanation:

QUESTION NO: 590

To capture only the files that have changed since the last full backup, an administrator should perform which of the following backups?

A.

Full

B.
Differential

C.
Selective

D.
Incremental

Answer: B
Explanation:

QUESTION NO: 591

The Chief Technology Officer (CTO) decided all backups should be taken at the storage array level rather than at the OS level. Which of the following backup types would fulfill these requirements?

A.
Snapshot

B.
Incremental

C.
Differential

D.
Full

Answer: A
Explanation:

QUESTION NO: 592

Which of the following best practices should an administrator use to build a database server?

A.

The transaction log files should be on a separate volume.

B.

The transaction log files should be on a journaling filesystem.

C.

The transaction log files should be on the system volume.

D.

The transaction log files should be compressed.

Answer: B
Explanation:

QUESTION NO: 593

A junior systems administrator wants to know which components on a server are normally hot-swappable. Which of the following components are usually hot-swappable? (Select TWO).

A.
Hard drive

B.
CPU

C.
RAM

D.
Power supply

E.
NIC

Answer: A,E
Explanation:

QUESTION NO: 594

A rack contains 20 1U servers with dual power supplies and two PDUs on separate 15A circuits.

Each server is connected to both PDUs, and each server draws 1A of current in normal operation. One of the circuit breakers switches off due to a power surge. Which of the following will happen NEXT?

A.
The servers will continue to operate normally due to their redundant power sources.

B.
The servers will shut down gracefully when power is lost on one of the two circuits.

C.
All of the servers will lose power immediately because both circuit breakers will switch off.

D.
Half of the servers will lose power, but the others will continue operating on the good circuit.

Answer: C
Explanation:

QUESTION NO: 595

A server administrator wants to minimize the amount of disk thrashing on a server. The BEST way to accomplish this would be to:

A.
use hard disks with high throughput.

B.
use the maximum amount of memory.

C.
use a high-speed multicore processor.

D.
use a cached disk controller with battery backup.

Answer: C
Explanation:

QUESTION NO: 596

A technician needs to configure a new server with multiple drives. The technician was instructed to make the OS RAID 1. The two drives the technician is using are from different manufacturers, but both are 1TB drives. However, one drive is 953,980MB, and the other is 953,740MB, a difference of 240MB. When attempting to create the RAID 1, the option is grayed out. Which of the following is the MOST likely cause of the issue?

A.
Mismatched drives are not recommended when creating RAID 1.

B.
Both drives should be in adjacent slots.

C.
Both drives should be less than 1TB.

D.
The technician needs to provision the drives first.

Answer: A
Explanation:

QUESTION NO: 597

An office in another location with hardware and equipment with replicated data is called a:

A.
warm site.

B.
hot site.

C.
cold site.

D.
duplicated site.

Answer: B
Explanation:

QUESTION NO: 598

A server fails to boot. During POST, the technician hears one long beep and two short beeps. Which of the following should the technician reference to determine what hardware has failed?

A.
Operating system vendor's website

B.
Hardware compatibility list

C.
Motherboard documentation

D.
Bios settings

Answer: C
Explanation:

QUESTION NO: 599

The network that is located between the public Internet and the company's internal network is known as:

A.
IPSec.

B.
VPN.

C.
intranet.

D.
DMZ.

Answer: D
Explanation:

QUESTION NO: 600

A server administrator is reviewing plans for a new office addition. The plans call for Cat 5e cabling to be used for all servers. Which of the following is the maximum allowable length for Cat 5e communications?

A.
164ft (50m)

B.
328ft (100m)

C.
656ft (200m)

D.
3280ft (1000m)

Answer: B
Explanation:

QUESTION NO: 601

Which of the following is the MINIMUM number of power supplies with which most blade servers normally come?

A.
One

B.
Two

C.
Three

D.
Four

Answer: B
Explanation:

QUESTION NO: 602

An administrator is attempting to run the following command on a Linux system: sudo apt-get update. However, the administrator is presented with an error stating the required permissions to run the apt-get utility are not present. Which of the following files should be modified using the visudo command?

A.
/etc/sudoers

B.
/etc/groups

C.
/etc/passwd

D.
/etc/named.conf

Answer: A
Explanation:

QUESTION NO: 603

A technician is installing a new blade chassis in a datacenter. While connecting the device, it is discovered that there is only one Ethernet port on the back of the chassis. After consulting the parts list, the technician realizes something is missing from the order. Which of the following components is MOST likely missing?

A.
Backplane

B.
Midplane

C.
Management module

D.
Network module

Answer: D

Explanation:

QUESTION NO: 604

A security breach occurred in a datacenter. An analysis of the HIPS log files on a sever reveals an intrusion was logged, but no action was taken to prevent the intrusion. Which of the following represents how the HIPS should have been configured to prevent the intrusion, while also creating an alert?

A.
Block

B.
Warn

C.
Allow

D.
Log

Answer: A
Explanation:

QUESTION NO: 605

During a reboot, a server displays an OS not found error message. Which of the following is the most likely cause?

A.
Resource exhaustion

B.
Excessive fragmentation

C.
Degraded RAID array

D.
Improper BIOS/UEFI boot order

Answer: D
Explanation:

QUESTION NO: 606

A datacenter technician is working on a problem with a server that has an error code related to the hard drive. The error code shows a predictive failure. Which of the following should the technician do to fix this problem?

A.
Reseat the hard drive.

B.
Replace the hard drive.

C.
Reboot the server.

D.
Replace the disk controller.

Answer: B
Explanation:

QUESTION NO: 607

A systems administrator attempts to shut down a server, but the server will not cleanly power down. The administrator then performs a power cycle on the server. When the server is back online, which of the following should the administrator check?

A.
Available drive space

B.
The server's login history

C.
System log files

D.

Driver and firmware versions

Answer: C
Explanation: