IS346_Server+_Pre-assessment

Due Apr 7 at 11:59pm **Time Limit** 120 Minutes Points 40 Questions 40 Allowed Attempts 2

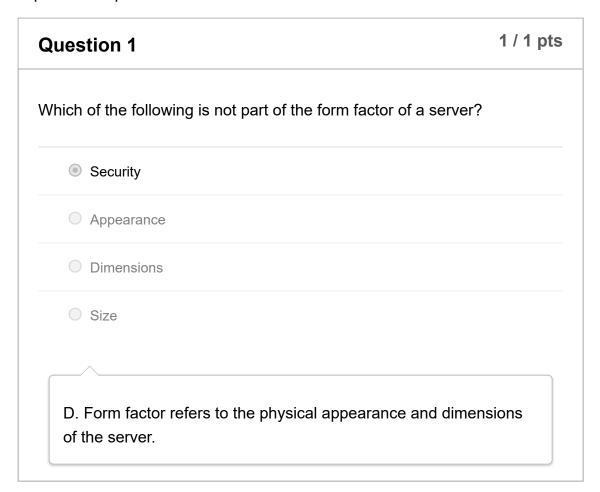
Take the Quiz Again

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	27 minutes	30 out of 40

(!) Correct answers are hidden.

Submitted Apr 7 at 2:18pm



Question 2	1 / 1 pts
Which function is made easier when a server has a rail kit?	
Maintenance	
Accessing	
Configuration	
 Installation 	
B. Rail kits, when implemented, allow for the server to be so of the rack for maintenance.	lid out

Question 3	1 / 1 pts
Which of the following is the unit of measurement when discus components?	sing rack
○ C	
О M	
O I	
U	
C. Each U is 1.75 inches (4.445 cm) high.	

Question 4	1 / 1 pts
Which of the following is another term for RAID 1?	
Duplicating	
Mirroring	
Opubling	
O Duplexing	
D. RAID 1 is also known as disk mirroring. This is a method producing fault tolerance by writing all data simultaneously separate drives.	

Question 5	1 / 1 pts
What is the primary function of PXE?	
Secure routing	
Remote administration	
Remote booting	
Redundant connections	

A. The Preboot Execution Environment (PXE) is an industry standard client/server interface that allows networked computers that are not yet loaded with an operating system to be configured and booted remotely by an administrator.

Question 6	1 / 1 pts
shares are used to allocate which of the following in VMs	?
O NVRAM	
© CPU	
O L2 cache	
OROM	
B. There are three ways the allocation of the use of th CPU(s) can be controlled. These methods are as follo	
Shares: Using values such as Low, Normal, High, and VMWare, for example), these values are compared to all shares of all virtual machines on the server. Therefore define the relative percentage each VM can use.	the sum of
Reservation: Guaranteed CPU allocation for a VM.	

Incorrect

Question 7

Fibre Chan	nel	
O IPX		
Ethernet		
O IP		
D. In a classio	SAN, devices communicate using	the Fibre Channe

Which of the following is true of a NAS? A NAS does not support high throughput. A NAS has lower latency and higher reliability than a SAN. Implementing a NAS is inexpensive. A NAS typically supports only RAID 5. D. Implementing a NAS is inexpensive when compared to implementing a SAN.

Question 9	1 / 1 pts
To which protocol is the term LUN related?	
○ IP	
O FDDI	
⊚ SCSI	
O SSL	
A. A logical unit number (LUN) identifies a device addressed SCSI protocol or protocols that encapsulate SCSI, such as FC Channel or iSCSI.	-

Question 10	1 / 1 pts
What is the role of a DHCP server in a network?	
Issues IP configurations	
Translates private to public addresses	
Authenticates users	
Resolves IP addresses to hostnames	

A. DHCP servers are used to automate the process of providing an IP configuration to devices in the network. These servers respond to broadcast-based requests for a configuration by offering an IP address, subnet mask, and default gateway to the DHCP client.

Incorrect

The metric IOPS is used to describe the performance of which resource? Memory CPU Disk Network B. IOPS (Input/Output Operations per Second, pronounced eyeops) is a common disk metric that describes how fast the disk subsystem is able to read and write to the drive. Therefore, the higher this value, the better.

Question 12	1 / 1 pts
Which of the following is deleted when you execute Disk Clea	anup?
Temp files	
Routing tables	

Pagefil	le
A. Manua	lly performing a disk cleanup will allow you to get rid of
	s (and many other useless files as well), but if you would

Question 13	1 / 1 pts
What is the function of the command-line utility wevtutil?	
Manages network connections	
Manages memory issues	
Manages CPU affinity	
Manages log files	
A. Managing log files can be done at the command line using following command, inserting the name of log file and the maximum size in bytes: wevtutil sl <logname> /ms:<maxsizeinbytes></maxsizeinbytes></logname>	ng the

Question 14 1 / 1 pts

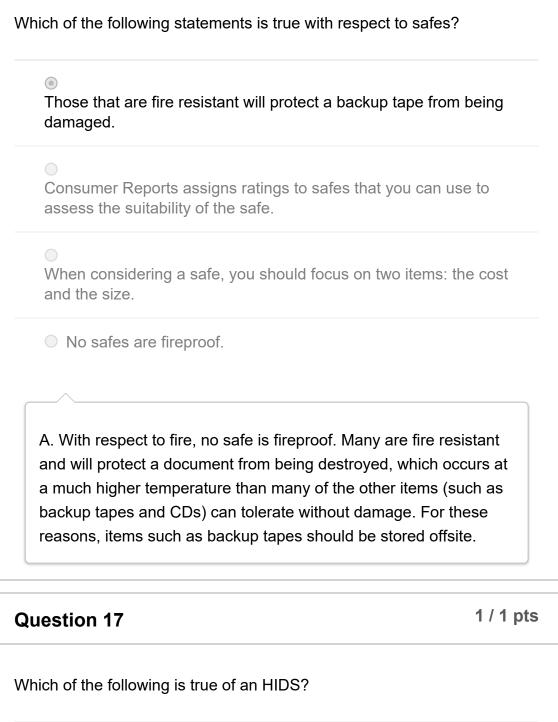
Which RAID version requires at least three drives?

O RAID 1				
O RAId 10	(1+0)			
O RAID 0				
RAID 5				
C. A minimu	m of three drive	s is required	for RAID 5.	

As the number of users assigned to a printer increases, which resource should be increased? CPU Disk Memory Network D. Print servers need lots of memory to hold the print jobs waiting in the print queue. The exact amount will depend on the number of users assigned to the printers being managed by this print server.

Incorrect

Question 16



Which of the following is true of an HIDS? © Encrypted packets can be analyzed. A high number of false negatives can cause a lax attitude on the part of the security team. O An HIDS cannot address authentication issues.

An HIDS monitors only traffic destined for the machine on which it is installed.

D. A host-based system is installed on the device (for purposes of our discussion, a server) and the system focuses solely on identifying attacks on that device only.

The MBSA vulnerability scanner works on which operating system only?

Mac

Windows

Unix

B. For your Windows servers, an excellent tool is the Microsoft Baseline Security Analyzer (MBSA). This tool can identify missing security patches, weak passwords, and other security issues that are specific to installed products.

Question 19 1 / 1 pts

Which of the following would Joe use to digitally sign a document so that Sally can verify his signature?

Sally's public key	
Joe's private key	
Sally's private key	
^	

Which authentication mechanism is an example of something you are? Retina scan Username Smartcard Password D. While passwords and usernames are examples of something you know and a smartcard is an example of something you possess, a retina scan provides something you are.

Incorrect

Question 21

nessus		
tripwire		
scannow		
iptables		
Գ. On Linux-base	d systems a common host-based firewa	ll is

Incorrect

Which of the following can be accomplished using port security? Set the maximum number of MAC addresses that can be seen on a port Set the minimum number of MAC addresses that can be seen on a port Define exactly which MAC addresses are not allowed on the port Set the maximum number of IP addresses that can be seen on a port

D. It is possible to specify a maximum number of MAC addresses allowed on a port.

When discussing 802.1x, which of the following roles is played by the user's computer?

Suppllicant

Authenticator

Imperative

A. The user's computer is the supplicant, the access device (WAP, Dial in the server or VPN server) is the authenticator, and the RADIUS or TACACs + server is the authentication server.

Question 24	1 / 1 pts
Which is the minimum category of cable required for 100 Mbps transmissions?	
O CAT3	
O CAT6	
© CAT5	

B. CAT5 transmits data at speed up to 100 Mbps and specifies cable lengths up to 100 meters.

Which of the following services uses port number 443?

HTTP

NTP

SFTP

HTTPS

D. HTTPS is a secure form of HTTP that uses port 443.

Incorrect

What issue does the 802.1ax-2008 standard address?

MIMO
Secure DNS

Deterministic routing

NIC teaming

A. Combining physical links can be done using proprietary methods, and there is also an IEEE standard for the process called 802.3ad, later replaced by 802.1ax-2008.

Incorrect

Question 27 0 / 1 pts

Which of the following parts of a MAC address is unique for each interface made by a vendor?

UAA

OUI

EUI-64

BAA

A. Each part of this address communicates information. The left half of the address is called the Organizationally Unique Identifier (OUI). It identifies the vendor who made the interface. The right half is called the Universally Administered Address (UAA). It will be unique for each interface made by the vendor. Together they make a globally unique MAC address.

Question 28

1 / 1 pts

How many sets of backup tapes are used in the GFS system?

O 4		
3		
0 2		
O 5		
	ndfather-Father-Son (GFS) backup scheme, the ps are defined. Most often these three definition	
	and monthly.	nis aie

Question 29	1 / 1 pts
When creating a backup, what function can be used to verify th of the results?	e integrity
O Digital signatures	
Transaction logs	
Checksums	
 Encryption 	
A. If you create the backup using checksums (which is an o with many utilities), it will allow you to check that the data had changed since it was made or that it has been corrupted or damaged.	

Question 30	1 / 1 pts
If you perform a full backup once a week and use a differential scheme the rest of the week, how many tapes are required for four days after the Full backup is taken?	•
O 1	
O 3	
2	
O 4	
B. You will need the last full backup tape and the last differential tape. Each differential tape contains all changes that occur since the last full backup.	
Question 31	1 / 1 pts

Question 31	1 / 1 pts
Which of the following components is the one you most like measure with a multimeter?	ely would
Power supply	
Hard drive	
O CPU	
O NIC	

C. With a multimeter you can measure voltage, current, and resistance.

What can be the result of high humidity?

RFI

ESD

EMI

Corrosion

A. It is a balancing act to keep humidity at the right level since low humidity causes ESD and high humidity causes moisture condensation.

Which of the following is not true about server backplanes? They provide data and control signal connectors for CPU. You should implement redundant backplanes. Backplane failures are uncommon. They can be a single point of failure.

B. Backplanes are advantageous in that they provide data and control signal connectors for the hard drives. They also provide the interconnection for the front I/O board, power and locator buttons, and system/component status LEDs. Unfortunately, this creates a serious single point of failure because if the backplane fails, we lose communication with the servers to which it is connected.

Question 34 1 / 1 pts

Which of the following steps in the CompTIA troubleshooting method come first?

- Verify full system functionality and, if applicable, implement preventive measures.
- Perform a root cause analysis.
- Identify the problem and determine the scope.
- Document findings, actions, and outcomes throughout the process.

- C. The steps in order are:
- 1. Identify the problem and determine the scope.
- 2. Establish a theory of probable cause.
- 3. Test the theory to determine the cause.
- 4. Establish a plan of action to resolve the problem and notify impacted users.
- 5. Implement the solution or escalate as appropriate.
- 6. Verify full system functionality and, if applicable, implement preventive measures.
- 7. Perform a root cause analysis.
- 8. Document findings, actions, and outcomes throughout the process.

Question 35	1 / 1 pts
Which command is used on a Windows computer to identify the taken to a destination network?	e path
○ trace	
ipconfig/trace	
traceroute	
tracert	
B. The tracert command (traceroute in Linux and Unix) is us trace the path of a packet through the network on routers.	sed to

Incorrect

Question 36

•	Router
	Switch
	Multiplexer
	Hub
/	^
onl the	Some of the things you can specify using this feature are the by MAC address or addresses allowed to send traffic in the port, a total number of MAC addresses that can transmit on the port, an action to be taken when a violation occurs (either shut the ot down or prevent transmissions by the guilty MAC address).

Incorrect

You receive a destination unreachable message with a source IP address.
Where is it coming from?

The local router

A remote DNS server

A local DNS server

A. If the message comes with no source IP address, that means the message is coming from the local router (the default gateway of the sender). If it has a source IP address of the sender, then it is another router in the path.

Question 38	1 / 1 pts
The sudo fdisk -l command lists the partitions on what type of s	ystem?
O Mac	
Linux	
O Novell	
Windows	
D. The sudo fdisk -I command lists the partitions on a Linux system.	

Question 39	1 / 1 pts
In Linux, what is fstab used for?	
To format a partition	
To create partitions	
To defragment a drive	

To mount partitions in boot

A. fstab (File System Table) is a file used by Linux operating systems to mount partitions on boot.

Question 40	1 / 1 pts
What component locates the operating system in Linux?	
O NTLDR	
O Bootmgr	
O boot.ini	
B. In Linux this handled by GRUB.	