

## Microsoft XK0-001 Questions \$ Answers

Number: XK0-001  
Passing Score: 800  
Time Limit: 120 min  
File Version: 33.3



<http://www.gratisexam.com/>



Microsoft XK0-001 Questions \$ Answers

Exam Name: Linux+ XK0-001

## Passguide

### QUESTION 1

A computer has a FAT32 partition that takes up the entire 16 GB hard drive. Another operating system is currently installed, but only uses 8 GB of the partition. What is the best way to install Linux without removing the other operating system?

- A. Run FIPS
- B. Run rsize
- C. Run fdisk
- D. Run format

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 2

What command is used to remove an rpm package from Linux?

- A. rpm -e <package name>
- B. rm -rf <package name>
- C. rpm -rm <package name>
- D. rpm --remove <package name>

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 3

A new employee having a problem with account login has the following entry in the /etc/passwd file:

```
user1:*:51:501:John Doe:/home/user1:/bin/bash
```

What is wrong with this entry in the /etc/passwd file?

- A. The UID is not valid.
- B. The account is locked.
- C. The UID and GID must match.
- D. Spaces are not permitted between the first and last name.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 4

Which runlevel only grants root access?

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

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 5

A client terminal requires the BOOTP protocol in order to access the server. Which protocol must be installed on the BOOTP server to communicate with the client terminal?

- A. SMB
- B. IGRP
- C. OSPF
- D. TCP/IP

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 6

A new shell command is installed and does not perform correctly. It generates too much diagnostic output to read on the screen and does not write to a log file. Which of the following would capture the output for evaluation?



<http://www.gratisexam.com/>

- A. Run the command as a daemon.
- B. Make changes to /etc/syslog.conf
- C. Run the command in the background.
- D. Add redirection to the command line.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 7

Why would setting up separate file systems for /home and /var be appropriate?

- A. Administrators can separate user files from business files.
- B. The system is not subject to failure from log file or user quota overruns.
- C. Guest accounts included in /var are separated from user accounts kept in /home.
- D. Users can access /home for their personal applications and /var can store old applications.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 8**

What may happen if a network cable and a power cable are too close together?

- A. EMI may occur
- B. Jabber may occur
- C. Crosstalk may occur
- D. Power surges may occur on the network cable

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 9**

What is an advantage of using an extended capabilities port (ECP) over an enhanced parallel port (EPP)?

- A. Daisy chaining capability
- B. Bi-directional communication
- C. Omni-directional communication
- D. Direct memory access (DMA) capability

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 10**

A user has just connected a SCSI scanner device to his computer. After installing the vendor's drivers, the scanner cannot be correctly used by the software. All of the following are possible reasons EXCEPT

- A. The scanner device is damaged
- B. The SCSI ID is set incorrectly
- C. The last device is not terminated
- D. There is an IRQ conflict between the scanner and another device

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 11**

A technician wants to replace a system processor. What should he do before beginning the work?

- A. Properly ground the PC
- B. Remove the CMOS battery
- C. Properly ground himself
- D. Ensure that the humidity is below 5%

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 12**

What AT command is used to reset a modem?

- A. ATX
- B. ATZ
- C. ATDT
- D. ATM0

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 13**

A user wants to have a custom software daemon run each time the system starts. Where could this be configured?

- A. rc.local
- B. ~/.bashrc
- C. inetd.conf
- D. /etc/profile

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 14**

A customer wants to determine which TCP ports are in use on his Linux server. Which of the following commands should be used?

- A. tftp
- B. lsport

- C. minicom
- D. netstat

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 15**

What is the first step in troubleshooting a system problem?

- A. Collect information
- B. Test a possible solution
- C. Make a hypothesis about a solution
- D. Try to modify the configuration files

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 16**

For which of the following reasons could the dd utility be used?

- A. To locate and access system log files.
- B. To create a bootable Linux system disk.
- C. To automate editing system configuration files.
- D. To automate access to system hardware information.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 17**

Using which of the following commands creates a risk of destroying data on a mounted file system?

- A. fsck
- B. mkfs
- C. mount
- D. setserial

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 18**

At boot time, the computer reported that there are problems with inodes and blocks. What is the problem, and how is it corrected?

- A. The boot sector is corrupt and needs to be replaced.
- B. The file system has become corrupt and needs to be repaired.
- C. The partition table has become corrupt and needs to be repaired.
- D. The drive is configured using an improper file system and needs to be reformatted.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 19**

A medium-sized business wants to use GNOME or KDE. Which of the following hardware components is required?

- A. SCSI Card
- B. Modem Card
- C. Video Card
- D. Network Card

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 20**

A user tells his administrator that he has found the entry "." in his home directory, and he did not create this entry. Which of the following actions should the administrator take and why?

- A. Leave the directory as it is because "." refers to the parent directory.
- B. Lock the directory and examine its contents to determine if this is a security risk.
- C. Leave the directory as it is because the "." was created by a normal system process at login.
- D. Run fsck on the /home partition because the "." is an indication of possible file corruption.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 21**

Which of the following can be used to apply the package "package-update-3.5.i386.rpm" to the original rpm package?

- A. rpm -qa package-update-3.5.i386.rpm
- B. rpm -Uvh package-update-3.5.i386.rpm
- C. rpm -ivh package-update-3.5.i386.rpm

D. rpm --update package-update-3.5.i386.rpm

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 22**

How can an original file or kernel be preserved before being updated or patched on a Linux system?

- A. Edit the /etc/profile/changelog file and add the filename or kernel version to be backed up.
- B. Use upu, the Update Protection Utility in X to protect the original file or kernel, which is saved in /usr/src.
- C. From the directory containing the file to be backed up, type "cp <original file or kernel name> <original file or kernel name>.bak"
- D. Files and kernels cannot be saved because the updates will permanently overwrite the originals by default to eliminate the possibility of version conflicts.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 23**

Which of the following commands is used to obtain the summary of hard disk partitions?

- A. fsck
- B. fdisk
- C. fsck -l
- D. fdisk -l

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 24**

The /etc/passwd file for a Linux system has an "x" in the second field. What does this indicate?

- A. The user account is disabled.
- B. The user is configured for X login.
- C. The system is using shadow passwords.
- D. The user is required to change the password at next login.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**



**QUESTION 25**

An assistant network administrator has just been assigned the task of performing a daily check of the security system. A script will be created that will be executed daily as a cron job. Which of the following commands can be included in the script which directly relates to enhancing and checking the system security?

- A. `find / -name * >> /var/log/daily`
- B. `chmod -R 4000 / >> /var/log/daily`
- C. `find / -perm 4000 >> /var/log/daily`
- D. `grep -Ril root /etc/* >> /var/log/daily`

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 26**

Which of the following information is NOT returned by `ifconfig` on a machine connected to an Ethernet network?

- A. IP address
- B. MAC address
- C. Computer hostname
- D. Active network interfaces

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 27**

What command enables a user to make a newly created shell script executable?

- A. `./<filename>`
- B. `chown +x <filename>`
- C. `chmod u+x <filename>`
- D. `./configure <filename>`

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 28**

What command in `vi` quits without saving changes?

- A. `:ZZ`
- B. `:q!`
- C. `:QQ`
- D. `Esc-q`

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 29**

What command would allow an administrator to add an existing user's phone number to the system as a comment?

- A. `usermod -c 555-1234 bsmith`
- B. `modinfo -u bsmith 555-1234`
- C. `useradd -u bsmith -c 555-1234`
- D. `echo bsmith:x:502:502:555-1234:/home/chris:/bin/bash > /etc/passwd`

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 30**

The system administrator wants to connect to his servers remotely to create a new user. Which of the following commands can be used?

- A. `ftp`
- B. `ping`
- C. `telnet`
- D. `traceroute`

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 31**

The following is the output from a `ps` command:

```
PID TTY TIME CMD
1054 pts/1 00:00:00 bash
6894 pts/1 00:00:00 nmap
7123 pts/1 00:00:00 ps
```

The `nmap` process has been taking up too much processing power. What command can be used to run `nmap` with less resources?

- A. `bg nmap`
- B. `stop | back 6894`
- C. `CTRL-Q, bk nmap:6894`
- D. `kill 6894 ; nice -n19 nmap <arguments>`

**Correct Answer:** D

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 32**

The current working directory is /var/spool/Tom/lp. What does the command "cd ~" do?

- A. Returns the user to the root directory.
- B. Returns the user to their home directory.
- C. Keeps the user in their current directory.
- D. Returns the user to the parent directory of "lp".

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 33**

How could an administrator switch to single-user mode without rebooting the system?

- A. init 0
- B. init 1
- C. cd /single
- D. su -single

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 34**

A group of users would like accounts created for them. They want to access a particular application on the server. The group requires sharing the files created using the application. What method would be used to accomplish these goals?

- A. As root, edit the /etc/group file and include all the users to the 'users' group.
- B. As root, run the adduser command to create the shared group, then adduser to create the user accounts.
- C. As root, run the adduser command to create the users' accounts, then edit the /etc/passwd file to change each users GID.
- D. As root, run the groupadd command to create the shared group, then use the adduser command to create the user accounts.

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 35**

In order to prevent monitor damage when configuring X, all of the following must be configured correctly EXCEPT

- A. RAMDAC
- B. Video RAM
- C. Refresh rate
- D. Resolution capability

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 36

Which of the following tasks is the most important best practice when performing a new installation of Linux for a customer?

- A. Document all configuration settings used during the installation.
- B. Apply the latest patches and updates to the operating system and applications.
- C. Use a single distribution for the operating system, utilities, and applications.
- D. Use default settings during the installation and make custom changes after the operating system is running and validated.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 37

The following is an example of a ".forward" file found in user Audrey's home directory.

```
/audrey,audrey@comptia.org
```

Which of the following best describes what the mail handler will do when user "audrey" receives mail?

- A. It forwards a copy to comptia.org and does not keep a local copy
- B. It saves a copy of the mail locally and forwards a copy of the mail to audrey@comptia.org
- C. It runs a program audrey that is found in the root directory and forwards the mail to audrey@comptia.org
- D. It runs a program called audrey that is found in the root directory and forwards the program's results to comptia.org

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 38

What file should be edited to add two additional gettys to runlevel 3?

- A. /etc/inittab

- B. /etc/termcap
- C. /etc/rc.d/init.d/inittab
- D. /usr/local/etc/getty.conf

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 39

A server has the following Class C IP address:

192.168.1.2

What are the default network and broadcast addresses?

- A. Network: 192.0.0.1; Broadcast: 192.0.0.2
- B. Network: 192.0.0.0; Broadcast: 192.168.1.0
- C. Network: 192.168.1.1; Broadcast: 192.168.1.0
- D. Network: 192.168.1.0; Broadcast: 192.168.1.255

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 40

The root user types "echo \$PATH" and sees the following output: .

:/bin:/usr/bin:/sbin:/usr/X11R6/bin:/usr/src

Which part of this path is considered to be a security risk?

- A. .
- B. /sbin
- C. /usr/src
- D. /usr/X11R6/bin

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 41

A new video card is added to a Linux workstation. Which of the following files is used to configure X?

- A. /usr/conf/Xconfig
- B. /etc/X11R6/Xconfig
- C. /etc/X11/XF86Config

D. /root/Xwindows/Xconf

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 42

A Linux machine has a local address of 192.168.1.1 with a subnet mask of 255.255.255.0. At this time, all services are denied. Which of the following lines would be appended to the hosts.allow file to permit access to the Web service on the local subnet?

- A. httpd: 192.168.1.0/24
- B. ALL: 192.168.1.255/24
- C. ALL except httpd: 192.168.1.1/24
- D. 192.168.1.255/255.255.255.0:httpd

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 43

Which command will verify that an NIS client is bound to an NIS server?

- A. ypwhich
- B. nisbind
- C. ypconfig
- D. nis.client

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 44

A system administrator is logged into a system as root. When trying to run the command /usr/local/bin/a.out, the administrator does the following:

```
root@linux> cd /usr/local/bin
oot@linux> a.out
bash: a.out: command not found
```

What command should be issued to start the program?

- A. ./a.out
- B. chmod o-x a.out
- C. su - user; a.out
- D. chown root a.out

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 45**

Configuring hosts.deny and hosts.allow will protect the server from intruders that attempt which of the following?

- A. Attacks from machines using TCP
- B. Exploitation of ICMP security holes
- C. Attacks from machines using IPX/SPX
- D. Exploitation of services that are not started with TCP wrappers

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 46**

Review the following entry:

```
/dev/cdrom /cd iso9660 ro,user,noauto 0 0
```

What is this entry?

- A. An "fstab" entry that lets any user mount the CDROM.
- B. An "fstab" entry that allows only root to mount the CDROM.
- C. An "mtab" entry that mounts a CDROM as a read-only device at boot time.
- D. An "fstab" entry that mounts a CDROM as a read-only device at boot time.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 47**

A user has installed and configured an internal modem to connect the workstation to the Internet. The user claims that the modem is not connecting properly. What diagnostic tool can be used to test the modem?

- A. mgetty
- B. minicom
- C. pppconfig
- D. A web browser

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 48**

A new computer came preconfigured with an internal PCI modem. After Linux was installed, the modem does not respond. Which of the following is most likely the cause of the problem?

- A. The modem is not Hayes compatible.
- B. Linux does not support internal modems.
- C. The installed kernel does not support Winmodems.
- D. Linux requires modems that use the Rockwell chipset.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 49**

Which utility can remove, list, and add modules, as well as autoclean?

- A. lsmod
- B. insmod
- C. modprobe
- D. Modconfigurator

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 50**

Which of the following files would modify the daemon which logs system activity?

- A. /etc/syslog.conf
- B. /usr/syslog.conf
- C. /etc/systemlog.conf
- D. /usr/etc/systemlog.conf

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 51**

The Ethernet card fails on a Linux machine without modular support, and is replaced by one from a different manufacturer. The new card is verified as Linux compatible. When the system restarts, the operating system does not recognize the new card. Which of the following is necessary to finish the installation?

- A. Change the network routing table.
- B. Recompile the kernel with support for the new device.



- C. Download a new driver and add it to the /dev directory.
- D. Edit the Ethernet configuration file to point to the new device.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 52**

Why is the Shadow Password Suite important?

- A. It provides a second level of encryption for the /etc/passwd file.
- B. It improves the encryption for all passwords in the /etc/passwd file.
- C. It moves the passwords to a separate file that has more restrictive permissions.
- D. It moves the passwords to a separate file and will also encrypt the password file.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 53**

Linux will be installed on a new system. Where will LILO be installed?

- A. In the /boot directory
- B. In the /root directory
- C. In the master boot record
- D. In the /usr/sbin directory

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 54**

While a technician was installing Linux on a customer's server, the customer asked for the ability to expand the partition size, as needed. Which of the following would best provide this ability?

- A. HPFS
- B. ext2
- C. FAT32
- D. ReiserFS

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 55**

A DHCP server has been added to the network. The local system has been reconfigured to connect using DHCP. How could an administrator restart network services and test that the interface and the DHCP server are functioning properly?

- A. `ifconfig --test`
- B. `netstat -R --test`
- C. `route restart; ping comptia.org`
- D. `network restart; ping comptia.org`

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 56**

Which of the following commands is used to determine if network interfaces are up and running?

- A. `chksum`
- B. `netcfg`
- C. `siginit`
- D. `ifconfig`

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 57**

What does the command `"rpm -Uvh package-update-3.5.i386.rpm"` do?

- A. Uninstalls the package and related hidden files
- B. Upgrades the package and provides installation status
- C. Allows the user to view hidden files installed with the package
- D. Verifies that the package is installed correctly and reports errors

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 58**

A user wants to have the latest version of `elm` installed. Which of the following will identify the currently installed version?

- A. Run `"man elm"`
- B. Run `"rpm -q elm"`
- C. Run `"version elm"`

D. Check /var/log/rpm

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 59

What are the full paths to the general log files that can be accessed to find out how a system is running?

- A. /var/log/messages  
/var/log/mail  
/var/log/wtmp
- B. /etc/bootlog.log  
/var/log/install.log  
/etc/boot/messages
- C. /usr/local/install.log  
/usr/local/messages  
/tmp/boot.log
- D. /var/spool/logs/messages  
/var/spool/logs/dmesg  
/var/spool/log/install.log

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 60

A user executed a Perl script that initiated a connection request to a server without ever completing the network connection. This was done multiple times until the server could no longer communicate on the network. What kind of attack was initiated?

- A. Spoofing
- B. Trojan horse
- C. Buffer overflow
- D. Denial of Service

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 61

A user-defined cron job is configured incorrectly and is slowing down a server. What is the best way to address this issue?

- A. Use "cron -d \*" to delete each user's cron jobs
- B. Use "userdel <user>" to delete the user to prevent additional cron jobs
- C. Use "crontab -u <user> -l" for each user to find out who has the incorrect crontab

D. Prevent cron from launching any additional processes by using "killall -9 crond"

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 62

A customer calls the support desk and complains that her company's Web server is not responding to requests from Web clients. When asked about recent work done on the machine, she responds that the server has not been reconfigured recently and normally performs without problems. A process list on the machine gives the following results:

PID TTY STAT TIME COMMAND

1 ? S 0:04 init

444 ?

S 0:00 /usr/sbin/automount --timeout 60 /misc file /etc/auto.misc 462 ? S 0:00 /usr/sbin/automount --timeout 60 /net yp auto.net 526 ? S 0:00 syslogd -m 0

579 ? S 0:00 crond

595 ? S 0:00 xinetd -reuse -pidfile /var/run/xinetd.pid

635 ?

SW 0:00 [lockd]

636 ?

SW 0:00 [rpciod]

646 ?

S 0:00 rpc.statd

796 ? S 0:00 gpm -t ps/2

814 ? S 0:00 httpd-perl -f /etc/httpd/conf/httpd-perl.conf 955 ?

S 0:00 httpd

956 ?

S 0:00 httpd

957 ? S 0:00 httpd

958 ? S 0:00 httpd

1080 tty1 S 0:00 /sbin/mingetty tty1

1081 tty2

S 0:00 /sbin/mingetty tty2

1100 ?

S 0:00 -:0

1700 pts/1 S 0:00 su

1704 pts/1 S 0:00 bash

1721 pts/1

R 0:00 ps -x

What is the best way to resolve this issue?

A. Use "/usr/sbin/httpd -r" to restart the Web server.

B. Stop the Web server by using "killall httpd" and restart it using "/usr/sbin/httpd".

C. Examine the httpd module list in /etc/httpd/modules/httpd.exp for incompatibilities.

D. Stop the Web server by using "kill -9 <pid>" and run fsck to make sure the /home/httpd partition is functioning properly.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 63**

Based on best practices, where is the best location to maintain documentation of work performed on Linux servers at a site?

- A. In a binder in the server room
- B. Off-site at a different facility
- C. In a text file kept on a Linux file server
- D. In a text file on the local machine where the changes were made

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 64**

A user notices some problems with his Linux system. He finds a file in his home directory that he has never seen before. It has the following permissions:

```
-r-sr-srwx 1 root root 531 Jan 19 02:15 shell.run
```

Where did the file come from?

- A. The file was generated by cron.
- B. The root account put the file there for his use.
- C. This file is included in most common distributions.
- D. This file was created when the root account security was breached.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 65**

After installing Linux onto a dual-processor machine, the administrator suspects that only one processor initialized successfully during the boot process. How could this be verified?

- A. Run `cpuinfo`
- B. Check `/var/log/messages` for errors.
- C. Run `dmesg` to review the log file.
- D. Run `ps` to see if both CPUs appear.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 66**

After setting up a cron job to backup a system to tape, the first few backups on the tape cartridge are successful. They then fail, reporting the "device is full." What could be the cause of the problem?

- A. Tapes can only be used once
- B. The tape is not being erased
- C. The tape drive needs to be replaced
- D. Incremental backups need to be used

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 67**

A Linux machine is not booting after a power outage. No rescue/boot disk is readily available. Where could a rescue/boot disk be found?

- A. In /boot
- B. In /root
- C. From linuxdocs.org
- D. At the distribution's Website

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 68**

A system has a utility that is regularly updated with new versions. Rather than overwriting the older versions, they need to be retained for testing purposes. Therefore, they keep older versions in the following format: utility1.3 utility1.4 utility1.5 What is the best way the system can be set up so that users can simply type "utility" to run the latest version of the application?

- A. Copy the latest version of the utility to "utility".
- B. Move the latest version of the utility to "utility".
- C. Make a symbolic link "utility" to the latest version.
- D. Make a symbolic link from the latest version to "utility.lnk".

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 69**

A customer reports that his server will not allow users to retrieve their email through POP3 or connect to the server via telnet. What service needs to be restarted?



<http://www.gratisexam.com/>

- A. imap
- B. snmp
- C. pop3
- D. inetd

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 70

A new user has been issued a Linux system that automatically boots to an X login, but would rather have the system automatically boot to the console login. How should the system be configured to accommodate the user?

- A. By typing "init 3" in an xterm
- B. By running the Xbootmgr utility
- C. By editing /etc/lilo.conf and adding the line:  
boot = console
- D. By changing the line in /etc/inittab that reads:  
id:5:initdefault:  
to read:  
id:3:initdefault:

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 71

In order to control runaway processes, an administrator creates a cron job. Which of the following commands should be run so that he can scan the logs later?

- A. ps
- B. sar
- C. top
- D. tail

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 72**

A Linux vendor has recently come out with a necessary patch to the server software to improve security on the server. Which of the following is the best practice, if any, for updating this patch on a production system?

- A. Never apply patches on production servers, because they may introduce errors and conflicts.
- B. Apply the patch during business hours, to validate the patch under normal system operation.
- C. Update the patch onto a secondary system to test the patch before installing it on a production machine.
- D. Apply the patch immediately to the production system, because security patches need to be installed right away.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 73**

A system is built for a new employee who needs a particular application for computing critical data. The application is installed and tested. The application suddenly hangs. After killing the process, which of the following is the best course of action to take next?

- A. Reinstall the application and restart X.
- B. Go to /usr/local/apps/logfile to access specific information.
- C. Go to /etc/log/<name of application>.log to read the error messages.
- D. Check any error log generated by the application and the manufacturer's Website for known issues or patches.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 74**

A Linux system seems to be unstable, with several services unresponsive. Before rebooting, which of the following commands could be entered to help ensure the system restarts into a stable state?

- A. sync
- B. fsck
- C. lilo
- D. uptime

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 75**

Which of the following commands searches the contents of files for a specific string?



- A. find
- B. grep
- C. search
- D. whereis

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 76**

A user complains that they can send and receive mail on the Internet, but cannot browse the Web. They have tried using different Web browsers in X. Working offline is disabled. What is most likely to be the problem?

- A. The user is not typing the Web address correctly.
- B. Web support was not added during the initial installation.
- C. X dropped Web access to the browser and needs to be restarted.
- D. There is a proxy server that the browsers have not been configured to use.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 77**

When dial-up users are able to connect to the dial-in Linux server but are unable to authenticate, which of the following should be done?

- A. Reboot the server.
- B. Check spooler for errors.
- C. Check that RAS is running.
- D. Check that RADIUS is running.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 78**

The system administrator is asked to install a file called zope-2.2.5-0.rpm. The administrator downloads the file and attempts to install it. While installing the file the following error is displayed:

failed to open /var/lib/rpm/packages.rpm: Permission denied error: cannot open /var/lib/rpm/packages.rpm

What has to be done before the program will work?

- A. Run "rpm -i zope-2.2.5-0" as root
- B. Change ownership of file to 'root'
- C. Run "rpm -i --nodeps zope-2.2.5-0" to bypass the error.

D. Return to the Website to receive an uncorrupted .rpm file.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 79**

A machine that usually executes its tasks very quickly becomes remarkably slow. What information from the ps command would suggest that a process is problematic and must be killed?

- A. A high CPU time
- B. A high process ID
- C. A high load average
- D. A high memory percentage

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 80**

A customer wants internal office information to be accessible by employees through a Web browser. Which of the following Linux services should be used?

- A. Squid
- B. MySQL
- C. Apache
- D. sendmail

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 81**

Which of the following services would need to be installed and configured in order to provide proxy and caching services to a Linux network?

- A. NFS
- B. Squid
- C. BIND
- D. ipchains

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 82**

What services would need to be installed to build a combination Web server and Domain Name Server (DNS)?

- A. Apache and BIND
- B. Apache and Squid
- C. ipchains and BIND
- D. Squid and ipchains

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 83**

Which of the following should be done before installing Linux on a home computer?

- A. Upgrade the computer's memory to at least 64 MB
- B. Create ext2 and swap partitions on the hard drive
- C. Verify the hardware on the Linux hardware compatability list
- D. Defragment the drive using the computer's current operating system

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 84**

A user needs to securely connect to a server. It is mandatory that encrypted passwords be used. Which of the following network utilities should be used?

- A. ssh
- B. rsh
- C. tftp
- D. telnet

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 85**

Which of the following commands can be used to go to the 25th line of a file in vi?

- A. :25
- B. 25g
- C. G25
- D. g25

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 86**

How would an administrator change the ownership of the directory /tmp/data/user1 from the account 'user1' to the account 'user2'?

- A. `chown /tmp/data/user2 user1`
- B. `chown -R /tmp/data/user1 user2`
- C. `chown -R user2 /tmp/data/user1`
- D. `chown user2 /tmp/data/user1 user2`

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 87**

A customer wants to backup her entire Website into a file. Which of the following commands would best accomplish this?

- A. `tar -cvf www.tar /home/httpd/`
- B. `tar -cvf /home/httpd /dev/st0`
- C. `tar -cvf /home/httpd/ webbackup.tar`
- D. `tar -cvf /dev/st0/web.tar /home/httpd/`

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 88**

What command, when issued from a non-root user, will remove all files from the /tmp directory by prompting the user for the root password?

- A. `clrtmp`
- B. `rm -rf /tmp/* -su`
- C. `su "rm -rf /tmp/*"`
- D. `su -c "rm -rf /tmp/*"`

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 89**

A user wants the script name1 to process the contents of the file "name2", then redirect the output to the program name3. Which of the following shell commands will do this?

- A. name1 | name2 > name3
- B. name1 < name2 | name3
- C. name1 > name2 | name3
- D. name1 | name2 < name3

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 90

A system administrator who has forgotten his root password on a server can do which of the following to change the root password?

- A. Use a brute-force password sniffer.
- B. Edit the /etc/inittab file to load without NIS.
- C. Use the passwd command from the administrator group.
- D. Reboot the system in runlevel 1 and use "init=/bin/sh" as a boot option.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 91

Which of the following commands is used to set default file permissions for any newly created file?

- A. mask
- B. umask
- C. fmask
- D. createMask

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 92

Which of the following commands can be used to create new directories?

- A. rm
- B. ls
- C. mv
- D. mkdir

**Correct Answer:** D

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 93**

The system administrator needs to create two new groups, 'develop' and 'admin'. Which of the following should be done to accomplish this?

- A. Use the newgrp command.
- B. Use the groupadd command.
- C. Use the creategroup command.
- D. Enter the group data in the /etc/group.conf file.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 94**

Which of the following file systems CANNOT be mounted by using the mount command?

- A. ext2
- B. vfat
- C. swap
- D. iso9660

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 95**

A Linux user has sent a report to the printer queue, but then realizes he needs to make corrections to the report. He now wants to remove the report from the printer queue. Which of the following should be done?

- A. Use the lpq command to remove the job.
- B. Use the kill command to remove the report.
- C. Use the lprm command to remove the report.
- D. Ask the superuser to remove the report from the queue because users cannot do this.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 96**

The following is an extract of a password file:

Smith:\*:1133:334:John Smith:/usr/people/jsmith:/bin/tcsh

What is purpose of the "\*" in Smith's password field?

- A. To deactivate Smith's account
- B. To indicate that Smith is a superuser
- C. To force Smith to change his password at his next login
- D. To indicate that Smith's home directory is shared by other members of his group

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 97**

When a new user account is created, default settings are copied from which of the following?

- A. /usr/skel
- B. /etc/skel
- C. /etc/start
- D. /etc/default

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 98**

Which of the following commands can be used to compare two text files to find out how they are different?

- A. comp
- B. diff
- C. compare
- D. filediff

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 99**

A system is going to have its memory and CPU upgraded. This information will be created in Linux in which of the following?

- A. The /proc directory
- B. The /etc/hwinfo.conf file
- C. The /dev/hwinfo.conf file
- D. The /usr/src/linux/devices directory

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 100**

Which of the following is LEAST affected by electromagnetic interference (EMI)?

- A. Fiber Optic Cable
- B. Encrypted Wireless
- C. RG-68 Coaxial Cable
- D. Shielded Twisted Pair (STP)

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 101**

If the Linux installation process continuously locks up, which of the following should be done?

- A. Repartition the drive
- B. Remove all unnecessary hardware
- C. Enable power management in the BIOS
- D. Ensure that the network card is installed prior to the installation

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 102**

Which network interface card has a BNC connector on it?

- A. IR
- B. Thinnet
- C. fiber optic
- D. twisted pair

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 103**

A user has three SCSI devices (two internal and one external) connected to his computer. He adds another external device, and this device and one of the internal devices do not work. Which of the following is the most



likely cause?

- A. An ID conflict
- B. An IRQ conflict
- C. A memory conflict
- D. A driver is not installed

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 104**

A user has just hot-swapped the CDROM with the diskette drive in his mobile system. Now the diskette drive is not responding. Which of the following actions will most likely correct the problem?

- A. Reboot the system
- B. Reinstall the driver
- C. Remove the drive and reinstall it.
- D. Set up hot-swapping capabilities in CMOS

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 105**

Under which of the following hardware upgrades would a system NOT have to be rebooted?

- A. Upgrading the CPU
- B. Replacing a PS/2 mouse
- C. Adding a USB CDROM drive
- D. Installing additional RAM

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 106**

A system's serial device is not operating correctly. Which of the following IRQs is likely to be conflicting and causing the problem?

- A. 4
- B. 5
- C. 7
- D. 13

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 107**

Which of the following IDs should be avoided when assigning IDs to SCSI peripherals?

- A. 2
- B. 4
- C. 5
- D. 7

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 108**

On a Plug-and-Play system, some legacy hardware (non-Plug-and-Play) is required. Which of the following should be done to ensure the proper operation of all hardware on the system?

- A. Enable IRQ routing in the BIOS.
- B. Replace the BIOS with a non-Plug-and-Play BIOS.
- C. Reserve the resources in CMOS for the legacy hardware.
- D. Replace the legacy devices with current Plug-and-Play devices.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 109**

When SCSI, video and I/O boards are installed in a PC, which of the following allows the installed card to be integrated with the current system on a hardware level?

- A. CMOS
- B. POST
- C. BIOS
- D. Boot strap

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 110**

A battery fails in a Linux workstation. Which of the following will need to be reconfigured to get the system

working after replacing the battery?

- A. MBR settings
- B. CMOS settings
- C. POST settings
- D. Data on each partition

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 111**

All of the following are common BIOS options EXCEPT

- A. mouse type
- B. parity/non parity
- C. floppy drive type
- D. hard drive auto-detect

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 112**

A user adds a new CD-RW to an existing system with a diskette drive, single IDE hard disk drive, and CDROM drive. The user then reports the system is taking longer to load applications. Which of the following will most likely resolve the problem?

- A. Switch the CD-RW to cable select.
- B. Install CD-R accelerator software.
- C. Replace the CD-RW drive, as it is damaged.
- D. Move the CD-RW to the secondary IDE controller.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 113**

Which device commonly uses the ATAPI interface?

- A. Modem
- B. CD-ROM
- C. Video card
- D. Network controller

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 114**

Which of the following connectors is hot pluggable?

- A. Serial port
- B. Parallel port
- C. IEEE-1394 port
- D. Ultra2 SCSI external connector

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 115**

After the failed memory has been replaced, the PC does not boot and beeps several times. The beep code indicates there is no memory. The technician observes that the old SIMMs use 9 chips while the new SIMMs only use 8 chips. What is most likely the problem?

- A. EDO memory is required
- B. Parity memory is required
- C. Fast Page Mode memory is required
- D. Unregistered SDRAM memory is required

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 116**

A user believes that his telecommunications software is not dialing his modem properly. Which of the following AT commands can be used to have the modem dial 432-3604?

- A. AT4323604
- B. ATM4323604
- C. ATDT4323604
- D. AT4323604DT

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 117**

The system administrator needs to examine the processes that the user with the login of 'john' currently owns.

Which of the following commands would best do this?

- A. `ps john`
- B. `ps -r john`
- C. `ps -U john`
- D. `ps -all | grep john`

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 118**

The system technicians and administrators at a facility are poor at keeping maintenance records up-to-date. The administrator decides to keep only the minimum information in the records and require that it be updated. Which of the following information is the most important to maintain?

- A. Dates and times that the server was rebooted
- B. Version numbers of patches applied to services
- C. Information about new users added to the system
- D. Records of which administrators have logged in to the system

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 119**

Which command will extract the file "backup-4-19-2001.tgz"?

- A. `unzip backup-4-19-2001.tgz`
- B. `tar xf backup-4-19-2001.tgz`
- C. `tar xzf backup-4-19-2001.tgz`
- D. `uncompress backup-4-19-2001.tgz`

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 120**

Which of the following types of backup minimizes system downtime during a restore?

- A. FDD backup
- B. Full backup
- C. Incremental backup
- D. Differential backup

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 121**

What is the purpose of cron?

- A. Manage incoming and outgoing mail
- B. Runs specified commands at defined times
- C. Sets the system clock to a specified time
- D. Changes the permission settings on a file or directory

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 122**

A system administrator complains that a user's system has been forwarding unsolicited email (spam) to mass email lists. Which of the following actions needs to be done to sendmail to stop the spam?

- A. Change the firewall rules.
- B. Restart the sendmail daemon.
- C. Restrict relay domains in the sendmail configuration.
- D. Change the SMTP mail server in the sendmail configuration.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 123**

Which of the following packages helps to identify bad passwords?

- A. CERT
- B. Hack
- C. Crack
- D. Tiger

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 124**

A system administrator routinely needs to see the list of who has logged in and out on a machine, as well as their login times. Which of the following commands searches the "var/log/wtmp" file and displays who has logged onto the machine and when they logged on?

- A. who
- B. last
- C. log -l
- D. wtmpst

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 125**

A user calls the help desk, complaining that upon issuing a command to list the files in her home directory, a "permission denied" error is received. Which of the following actions should be taken to resolve the problem?

- A. Delete the user's home directory and re-create it.
- B. Ask the user for some patience while the server is rebooted.
- C. Run "chmod 007" on the user's home directory and have the user try again.
- D. Check the UID:GID of the user's home directory and change it if necessary.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 126**

Which of the following commands will list all rpm packages installed on the system?

- A. rpm -d
- B. rpm -i
- C. rpm -qa
- D. rpm -Uvh

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 127**

A customer has installed a new hard drive on a Linux system. What would be the order of tasks to allow her to put her MP3 collection on the new drive?

- A. fsck,mount,mkfs
- B. mount,mkfs,chkfs
- C. cfdisk,mkfs,mount
- D. mkfs,mount,fschk,cp

**Correct Answer:** C

**Section:** (none)

## **Explanation**

### **Explanation/Reference:**

#### **QUESTION 128**

A Linux superuser is unable to delete a file. The user is also unable to change permission for the file. What is the problem?

- A. The file is actually a hard link.
- B. The file has the immutable flag set.
- C. The file has been fragmented across directories.
- D. The superuser does not have permission to access the file.

**Correct Answer: B**

**Section: (none)**

## **Explanation**

### **Explanation/Reference:**

#### **QUESTION 129**

A user who wants the status listing of all network interfaces will use which of the following commands to obtain this information?

- A. ifconfig -a
- B. ifconfig up
- C. ifconfig eth\*
- D. ifconfig --all

**Correct Answer: A**

**Section: (none)**

## **Explanation**

### **Explanation/Reference:**

#### **QUESTION 130**

After completing an installation of Linux, the technician is asked to document the current configuration and place this in a public location. The technician documented the following items:

Administrator contact information  
System network settings  
Application configuration  
Installed components

Which of the following did the technician fail to include?

- A. The root password
- B. Disk partitioning scheme
- C. Location of common system files
- D. Cost of replacement system components

**Correct Answer: B**

**Section: (none)**

## **Explanation**



**Explanation/Reference:**

**QUESTION 131**

Which of the following commands is used to cancel print jobs?

- A. lpq
- B. lpc
- C. lpr
- D. lprm

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 132**

Which of the following commands will set the current system time to 3:00 PM, February 3, 2002?

- A. date 020315002002
- B. dateset 020320021500
- C. time 0300:02:03:2002
- D. timeset 1500.02.03.2002

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 133**

Which of the following is a configuration file that contains the system virtual console specifications?

- A. XF86Config
- B. /etc/profile
- C. /etc/inittab
- D. /etc/vconsole

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 134**

What file can be edited to disable FTP, POP, and RSH services?

- A. /etc/ports
- B. /etc/inittab

- C. /etc/inetd.conf
- D. /etc/remote.conf

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 135**

Which of the following files includes device names, mount points, filesystem types, permissions and information about whether to mount the device at boot time?

- A. /dev/info
- B. /etc/fstab
- C. /boot/info
- D. /etc/inittab

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 136**

What is the main difference, if any, between GRUB and LILO?

- A. LILO does not support hard drives larger than 30 GB.
- B. GRUB does not support passing of kernel boot options.
- C. GRUB does not have to be rewritten to the hard drive after changing the configuration file.
- D. There is none.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 137**

A user typed the following command on a machine:

```
ifconfig eth0:1 192.168.155.5 up
```

What would be the effect of typing this on a machine that already has an address of 192.168.155.1 assigned to eth0?

- A. It will replace the current IP address with 192.168.155.5.
- B. It will assign 192.168.155.5 to eth0 as a second IP address
- C. It will replace the old broadcast address with 192.168.155.5.
- D. It will assign the address of 192.168.155.5 to the second physical Ethernet card.

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 138**

Which of the following is the best way to change video resolution from 800x600 to 1024x768?

- A. Run xf86config to change the resolution.
- B. Reinstall Linux with more options for X Server.
- C. Reinstall X Server with support for the 1024x768 resolution.
- D. Restart X Server after typing "resolution=1024x768" as root.

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 139**

What port is commonly used by the POP3 protocol?

- A. 25
- B. 53
- C. 69
- D. 110

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 140**

An error message appears that states that no modular support is available. What has caused this error message?

- A. A module is corrupted and must be reinstalled.
- B. The installation is corrupt and must be reinstalled.
- C. A device being installed is not functioning and must be replaced.
- D. The kernel does not support loadable modules and must be recompiled.

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 141**

A customer has recompiled his kernel to a new image to include new modules. GRUB is not being used as the boot loader. After editing the necessary configuration files, what command should be issued?

- A. /etc/lilo
- B. /sbin/lilo
- C. /sbin/loadlin
- D. ./start kernel

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 142**

Which of the following packages is usually more important for a "workstation" installation than a "server" installation?

- A. DNS Server
- B. DHCP Server
- C. Proxy Server
- D. XFree86 Server

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 143**

A Linux workstation is being integrated into a network that uses older Novell Netware servers (versions 2.2 and 3.12). The workstations use only the Netware client software to communicate with the server and to share data. Which of the following protocols should be installed on the Linux workstation?

- A. TCP/IP
- B. NetBIOS
- C. IPX/SPX
- D. AppleTalk

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 144**

The user installs the second SCSI hard drive into the computer and needs to partition it. Which of the following commands must be run to partition the disk?

- A. fdisk /dev/hdb
- B. fdisk /dev/hd2
- C. fdisk /dev/sdb
- D. fdisk /dev/sd2

**Correct Answer:** C

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 145**

During installation of a Linux system, the customer decided to use the ReiserFS file system rather than ext2. What is the most likely reason for this choice?

- A. ext2 allows only 8 character file names.
- B. ReiserFS allows partitions to be journaled.
- C. ReiserFS has built-in USB file system support.
- D. There are no differences between ext2 and ReiserFS.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 146**

A package that a user installed has never run successfully and returns a large number of errors. What is the first action that should be taken?

- A. Run "verify <package\_name>"
- B. Run "rpm --verify <package\_name>"
- C. Validate that the /boot directory exists
- D. Validate that kernal.lib is the correct version

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 147**

The system administrator has just completed the installation and configuration of a DNS server to be used for external name resolution. The DNS services need to be validated before bringing the server into production. What would be the best method to validate the proper operation of the service?

- A. Ping an external IP address.
- B. Get a Web page from within the local area network.
- C. Run the dig command for an external domain name.
- D. Run traceroute to the DNS server and analyze the hops.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 148**

Which device normally uses a DMA channel?

- A. PCI modem
- B. Laser printer
- C. ISA sound card
- D. Cable video tuner

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 149**

A technician installs a SCSI card and three SCSI devices on a new system. The system does not recognize any of the SCSI devices or the controller. What is most likely the reason?

- A. There is an Int13h conflict.
- B. There is a SCSI ID conflict.
- C. There is an I/O address conflict.
- D. There are no Linux drivers installed.

**Correct Answer: C**

**Section: (none)**

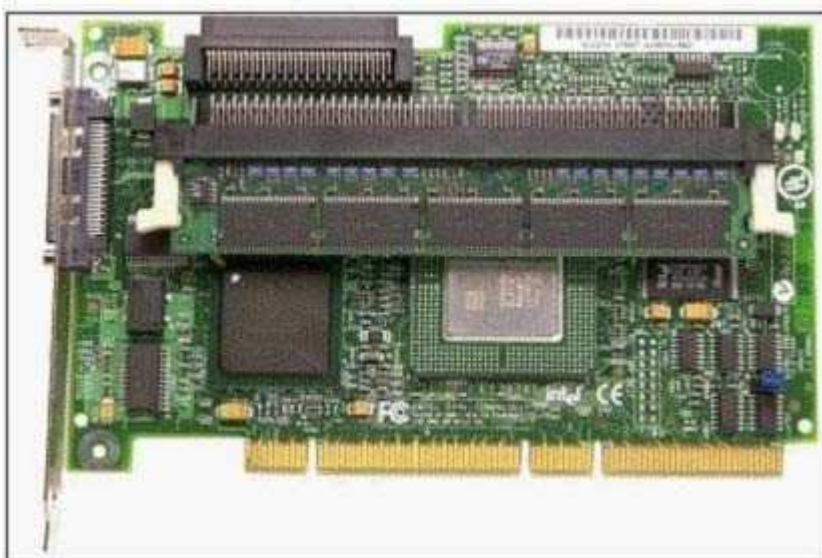
**Explanation**

**Explanation/Reference:**

#### **QUESTION 150**

Click the exhibit button below to view the information needed for this question.

Based on the exhibit, in what type of I/O bus should the card shown be used?



- A. PCI
- B. ISA

- C. EISA
- D. MicroChannel

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 151**

Unshielded twisted-pair is used for which of the following networks?

- A. 10Base2
- B. 10Base5
- C. 10BaseF
- D. 10BaseT

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 152**

Which of the following devices are hot-swappable?

- A. PS/2 mouse
- B. AGP video card
- C. CardBus network card
- D. Parallel port printer

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 153**

Which of the following is a field replaceable unit?

- A. CPU fan
- B. PCI bridge
- C. Level 1 cache
- D. Onboard SCSI controller

**Correct Answer:** A

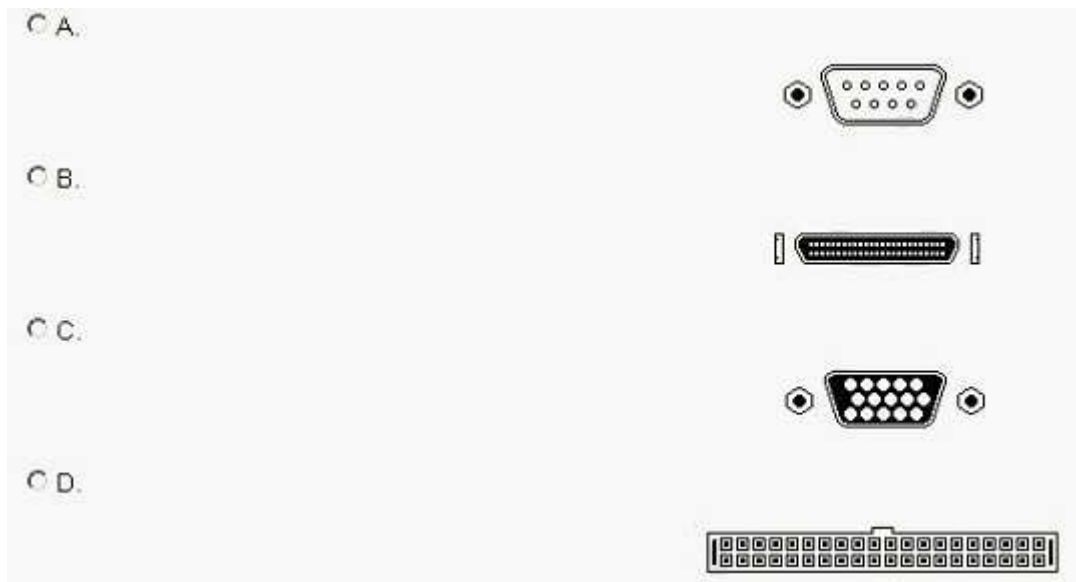
**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 154**

A user wants to install an external CDROM drive onto a system. Which interface should be used?



A. D

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 155**

A user installed a new hard drive into a system with an existing hard drive. He then connected a ribbon cable to the new hard disk. He powered on the computer, but the system did not boot. Which of the following most likely caused the problem?

- A. The hard disk needs a new MBR.
- B. The hard disk drive was not low-level formatted first.
- C. The controller was damaged by an electrical discharge.
- D. The ribbon cable was inserted backward on the hard disk.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 156**

A user adds a serial trackball to his system. Now, neither the existing modem nor the trackball work. Which of the following will most likely correct the problem?

- A. Reboot the system.
- B. Perform a BIOS upgrade.
- C. Reconfigure the COM ports.



D. Reinstall the modem drivers.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 157**

A new PC is delivered to the site. Upon the initial power up, there is no video display, no beeps are heard, but the hard drive and fans power up. Which of the following has most likely caused this problem?

- A. The mouse is not connected.
- B. The diskette drive has failed.
- C. The CPU is not seated properly.
- D. The network card is not installed.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 158**

ATAPI technology is a standard for which of the following items?

- A. CPUs
- B. Power supplies
- C. Mass storage devices
- D. Modulator/demodulator

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 159**

The current BIOS version on two workstations does not support the processor that will be installed, but the same motherboard with new BIOS versions does. Which of the following is the best way to resolve the problem?

- A. Update the CMOS using a HEX editor.
- B. Flash the BIOS with a binary or HEX file.
- C. Replace the old motherboard with a new one.
- D. Use the debug command to copy the BIOS from a newer motherboard.

**Correct Answer:** B

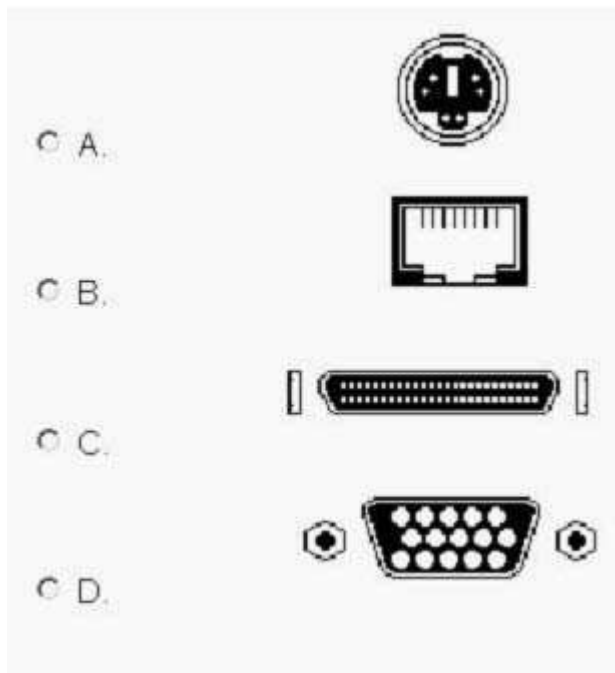
**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 160**

When a user installs his new Linux desktop computer, what port would he use to connect a CAT5 cable to establish a connection on the network?



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

**Correct Answer:**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Answer: Check certifyme eEngine, Download from Member Center

**QUESTION 161**

During a cold boot of a system, which test examines the CPU, memory and video?

- A. CMOS
- B. POST
- C. BIOS
- D. Bootstrap

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 162**

Which of the following commands would be used to watch the mail log for errors?

- A. locate
- B. tail -f
- C. monitor -f
- D. cat mail.log

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 163**

What command is used to access the information about memory availability and usage in Linux?

- A. cat /dev/meminfo
- B. cat /var/log/mem
- C. cat /proc/meminfo
- D. cat /etc/memory/usage

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 164**

A Linux system is used for various Internet services and remote user access. When a problem arises with one of that machine's services, which of the following actions is the LEAST likely to disrupt other services on that machine?

- A. Kill a daemon
- B. Reboot the machine
- C. Change to runlevel 1
- D. Disable a network device

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 165**

The Linux system is not assigning IP addresses to client systems. After a reboot and executing the command "dhcpd start", the problem is not corrected. After changing to the correct directory, which of the following commands should be used to permit IP addresses to be assigned?

- A. ./dhcp start
- B. ./dhcpd restart
- C. touch dhcpd.leases
- D. chkconfig --level 3 dhcpd on

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 166**

tar automatically compresses and decompresses using which of the following options?

- A. c
- B. z
- C. /z
- D. -c

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 167**

"netstat -i" is typed at the command line. All of the following information will be displayed EXCEPT

- A. Transmission errors for each network interface
- B. The number of packets dropped for each network interface
- C. The number of packets received for each network interface
- D. A list of masqueraded connections for each network interface

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 168**

A system will not allow root to ssh into the system. All other users can connect via ssh. Which of the following configuration files should be edited to permit connection as the root user?

- A. ssh\_conf
- B. pam\_deny.so
- C. sshd\_config
- D. /root/.ssh/allowed\_connections

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 169**

Which of the following commands can be run to gather specific information regarding the hardware in the

system?

- A. dmesg
- B. tail sysinfo
- C. cat /var/log/spool
- D. cat /var/log/syslog

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 170**

How can the X Window manager be restarted?

- A. Press <Ctrl><Alt><Delete>
- B. Press <Ctrl><Alt><Backspace>
- C. Press <Ctrl><Alt><F5>, login, and type "startx"
- D. Change consoles and type the command "kill -9 X"

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 171**

Which of the following commands should be used to move the file named John1 from the directory /home/j/john/temp to /home/j/john/save?

- A. mv /home/j/john/temp/john1 /home/j/john/save
- B. mv /home/j/john/save /home/j/john/temp/John1
- C. mv /home/j/john/temp/John1 /home/j/john/save
- D. mv /home/j/john/save/john1 /home/j/john/temp

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 172**

What is the most secure way to connect to a remote machine?

- A. ssh
- B. ftp
- C. http
- D. telnet

**Correct Answer:** A

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 173**

A user logs onto the system as root. He attempts to execute the script file a.sh. He is getting the message "Execute permission denied". What command must be used before the file can be executed?

- A. chgrp
- B. chown
- C. chmod
- D. execute

**Correct Answer:** C

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 174**

An administrator recursively copies the /home directory to a new hard drive using the command

```
cp -R /home /usr/home
```

What further actions are required, if any, to make the files accessible to the users?

- A. Give executable permissions to the users on the new home directory.
- B. Change ownership of the files, and assign directory permissions to users.
- C. Change ownership of the files; directory permissions are automatically assigned.
- D. No further action is required. All permissions are replicated using the cp command.

**Correct Answer:** B

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 175**

A software developer completed his annual report yesterday. He is now trying to print the report and submit it to his supervisor; however, he has forgotten the name and path of the report file. Which of the following commands can be used to obtain a listing of recently modified files?

- A. locate -t2
- B. find / -mtime 2
- C. whereis -time 2
- D. grep / -ctime 2

**Correct Answer:** B

**Section:** (none)

**Explanation****Explanation/Reference:**



<http://www.gratisexam.com/>