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Exam Code: LX0-101

Exam Name: CompTIA Linux+ [Powered by LPI] Exam 1

Sections
1. Exam A
2. Exam B
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Exam A

QUESTION 1
Which of the following commands will write a message to the terminals of all logged in users?

A. bcast
B. mesg
C. print
D. wall

Correct Answer: D
Section: Exam A
Explanation

Explanation/Reference:

QUESTION 2
An administrator is having some trouble with a disk partition and needs to do maintenance on this partition but their user's home directories are on it and several are logged in. Which of the following commands would disconnect the users and allow the administrator to safely execute maintenance tasks?

A. halt 1
B. init 1
C. logout --all now
D. runlevel 1
E. shutdown --maintenance now

Correct Answer: B
Section: Exam A
Explanation

Explanation/Reference:

QUESTION 3
The system is having trouble and the engineer wants to bypass the usual /sbin/init start up and run /bin/sh.
Which of the following is the usual way to pass this change to the kenel from the boot loader?

A. Start in runlevel 1.
B. Pass init=/bin/sh on the kernel parameter line
C. Pass /bin/sh on the kernel parameter line
D. Pass start=bin/sh on the kernel parameter line

Correct Answer: B
Section: Exam A
Explanation

Explanation/Reference:

QUESTION 4
The message "Hard Disk Error" is displayed on the screen during Stage 1 of the GRUB boot process. Which of the following does this indicate?

A. Thee kernel was unable to execute /bin/init
B. The next Stage cannot be read from the hard disk because GRUB was unable to determine the size and geometry of the disk
C. One or more of the filesystems on the hard disk has errors and a filesystem check should be run
D. The BIOS was unable to read the necessary data from the Masrer Boot Record to begin the boot process

Correct Answer: B
Section: Exam A
Explanation

Explanation/Reference:

QUESTION 5
Which of the following configuration files should be modified to disable the ctrl-alt-delete key combination?

A. /etc/keys
B. /proc/keys
C. /etc/inittab
D. /proc/inittab
E. /etc/reboot

Correct Answer: C
Section: Exam A
Explanation

Explanation/Reference:

QUESTION 6
Which of the following statements is a TRUE difference between GRUB Legacy and GRUB 2?

A. GRUB 2 no longer requires a configuration file.
B. Partition numbers start at 0 in GRUB Legacy and 1 in GRUB 2.
C. grub-mkconfig only works with GRUB Legacy if the --version 1 option is used.
D. The configuration file menu.lst (and.grub.conf) have replaced with grub.config.

Correct Answer: B
Section: Exam A
Explanation

Explanation/Reference:

QUESTION 7
Which of the following commands an be used to perform a full text search on all available packages on Debian system?

A. apt
B. apt-chache
C. apt-get
D. apt-search
E. dpkg

Correct Answer: B
Section: Exam A
Explanation

Explanation/Reference:

QUESTION 8
The GRUB_TIMEOUT parameter specifies a timeout period when booting in what unit of time?

A. millisecond
B. tenths of second
C. seconds
D. minutes

Correct Answer: C
Section: Exam A
Explanation

Explanation/Reference:

QUESTION 9
Which of the following files should be edited to select the network locations from which Debian installation package file are loaded?

A. /etc/dpkg/dpkg.cfg
B. /etc/apt/apt.conf
C. etc/apt/apt.conf.d
D. /etc/apt/sources.list
E. /etc/dpkg/dselect.cfg

Correct Answer: D
Section: Exam A
Explanation

Explanation/Reference:

QUESTION 10
How can an administrator update a package only if an earlier version is currently installed on the system?

A. rpm --update rpmname
B. rpm -U rpmname
C. rpm -F rpmname
D. rpm -force rpmname
E. rpm -u rpmname

Correct Answer: C
Section: Exam A
Explanation

Explanation/Reference:

QUESTION 11
Which of the following commands will uninstall a package but leave its configuration files in case a package is re-installed?

A. None, no command will do this.
B. dpkg -s pkgname
C. dpkg -L pkgname
D. dpkg -P pkgname
E. dpkg -r pkgname

Correct Answer: E
Section: Exam A
Explanation

Explanation/Reference:

QUESTION 12
An administrator wants to preview where the package file, apache-xml.i386.rpm, will install its file before installing it. Which of the following commands should the administrator issue?

A. rpm --qp apache-xml.i386.rpm
B. rpm -qv apache-xml.i386.rpm
C. rpm -ql apache-xml.i386.rpm
D. rpm -qpl apache-xml.i386.rpm

Correct Answer: D
Section: Exam A
Explanation

Explanation/Reference:

QUESTION 13
Once a shell variable has been created, how can the variable be removed from the environment?

A. VAR=
B. set -d VAR
C. set -u VAR
D. unset VAR

Correct Answer: D
Section: Exam A
Explanation

Explanation/Reference:

QUESTION 14
Which of the following is the purpose of the Bash built-in export command?

A. To allow disks to be mounted remotely
B. To automate the export of variables for subsequently executed commands.
C. To make the command history available to sub-shells.
D. To run a command as a process in a sub-shell.
E. To save variable setting for future shell invocations.

Correct Answer: B
Section: Exam A
Explanation

Explanation/Reference:

QUESTION 15
Which of the following is a limitation of the cut command?

A. The cut command can only select output by field position.
B. The cut command cannot recorder files.
C. The cut command only works on ASCII text.
D. The cut command will always print one line of output for every line of input.

Correct Answer: B
Section: Exam A
Explanation

Explanation/Reference:

QUESTION 16
Which of the following commands will print the first few lines of a test file to the shell?

A. cat -n 10 filename
B. dump -n 10 filename
C. head -n 10 filename
D. print -n 10 filename

Correct Answer: C
Section: Exam A
Explanation

Explanation/Reference:

QUESTION 17
Which of the following commands will convert all tab characters in a file to spaces and print that to standard out?

A. convert
B. expand
C. retab
D. untab

Correct Answer: B
Section: Exam A
Explanation

Explanation/Reference:

QUESTION 18
Which of the following commands will NOT update the Modify timestamp on the file /tmp/myfile.txt?

A. file /tmp/myfile.txt
B. echo "Hello" >/tmp/myfile.txt
C. sed -ie "s/1/2/" /tmp/myfile.txt
D. echo -n "Hello" >>/tmp/myfile.txt
E. touch /tmp/myfile.txt

Correct Answer: A
Section: Exam A
Explanation

Explanation/Reference:

QUESTION 19
In order to use the output of ls to overwrite a file called bazz, which of the following command lines would an administrator use?

A. ls > bazz
B. ls >& bazz
C. ls %> bazz
D. ls >> bazz

Correct Answer: A
Section: Exam A
Explanation

Explanation/Reference:

QUESTION 20
Inbash, inserting 2>&1 after a command redirects:

A. standard error to standard input.
B. standard input to standard error.
C. standard output to standard error.
D. standard eror to standard output.
E. standard output to standard out.

Correct Answer: D
Section: Exam A
Explanation

Explanation/Reference:

QUESTION 21
Which of the following signals is sent by the kill command by default?

A. HUP(1)
B. QUIT(3)
C. KILL(9)
D. TERM(15)

Correct Answer: D
Section: Exam A
Explanation

Explanation/Reference:

QUESTION 22
Which of the following commands will display all of the background tasks running in the current shell?

A. history
B. jobs
C. kill -l
D. list

Correct Answer: B
Section: Exam A
Explanation

Explanation/Reference:

Exam B

QUESTION 1
Given the following output: prompt> myapp [1]+ Stopped myapp prompt> Which of the following commands will resume executing the stopped process and make it the currents job?

A. bg myapp
B. continue myapp
C. fg myapp
D. myapp &

Correct Answer: C
Section: Exam B
Explanation

Explanation/Reference:

QUESTION 2
The ensure that a running process continue to execute after an administrator logs out, the process should be started with which of the following commands?

A. live
B. nohup
C. saferun
D. sh

Correct Answer: B
Section: Exam B
Explanation

Explanation/Reference:

QUESTION 3
Which of the following sed commands will replace all instances of the string foo with the string foobar changing the file file1.txt in place?

A. sed 's/foo/foobar/g' file1.txt
B. sed 's/foo/foobar/g' file1.txt >file1.txt
C. sed 's/foo/foobar/g' file1.txt | file1.txt
D. sed -i s/foo/foobar/g' file1.txt
E. sed s/foo/foobar/g' file1.txt > file1.txt

Correct Answer: D
Section: Exam B
Explanation

Explanation/Reference:

QUESTION 4
When in Normal mode in vi, which command chart will insert a blank line below the current cursor position and place the insert cursor at the begining of the new line?

A. a
B. i
C. n
D. o

Correct Answer: D
Section: Exam B
Explanation

Explanation/Reference:

QUESTION 5
When in Normal mode in vi , which command character can be used to begin a reverse search of the text?

A. ?
B. /
C. F
D. r

Correct Answer: A
Section: Exam B
Explanation

Explanation/Reference:

QUESTION 6
Which of the following command line redirection characters instructs the shell to read from the current input source until a specific word, on a spaces, is reached?

A. <<
B. <|
C. !<
D. &<

Correct Answer: A
Section: Exam B
Explanation

Explanation/Reference:

QUESTION 7
Which of the following commands will show the contents of a gzip compressed archive?

A. gzip archive.tgz | tar xvf -
B. tar ztf archive.tgz
C. gzip -d archive.tgz | tar tvf -
D. tar cf archive.tgz

Correct Answer: B
Section: Exam B
Explanation

QUESTION 8
Which of the following commands will NOT execute the bash script /usr/local/bin/runme.sh?

A. source /usr/local/bin/runme.sh
B. ./usr/local/bin/runme.sh
C. /bin/bash usr/local/bin/runme.sh
D. /usr/local/bin/runme.sh
E. run /usr/local/bin/runme.sh

Correct Answer: E
Section: Exam B
Explanation

QUESTION 9
Bob accidentally created the subdirectory \bobsdir in his home directory. He tried to remove the subdirectory with the command rmdir \bobsfile only to receive the error, "No such file or directory.". Which of the following commands will remove the directory?

A. rmdir '~bob/\bobsdir'
B. rmdir "~bob/\bobsdir"
C. rmdir ~bob/'bobsdir'
D. rmdir ~bob/\bobsdir
E. rmdir ~bob/\\bobsdir

Correct Answer: E
Section: Exam B
Explanation

QUESTION 10
Which of the following commands will send output from the program myapp to both standard output (stdout) and the file file1.log?

A. cat < myapp | cat > file..log
B. myapp 0>&1 | cat > file1.log
C. myapp | cat > file1.log
D. myapp | tee file1.log
E. tee myapp file1.log

Correct Answer: D
Section: Exam B
Explanation

QUESTION 11

Which of the following directories contains additional information about installed packages?

A. /usr/share/documentation
B. /usr/local/share/documentation
C. /usr/local/doc
D. /usr/share/doc
E. /usr/packages/doc

Correct Answer: D
Section: Exam B
Explanation

Explanation/Reference:

QUESTION 12
Identify the proper device for the third partition on the third partition on the only SCSI drive on the system.

A. /dev/hda3
B. /dev/sd0a3
C. /dev/sda3
D. /dev/sd1p3

Correct Answer: C
Section: Exam B
Explanation

Explanation/Reference:

QUESTION 13
Which of the following utilites would an administrator use to change how often a filesystem check is performed on an EXT2 filesystem (without losing any data stored on that filesystem)?

A. mod2fs
B. fsck
C. tune2fs
D. mke2fs
E. fixe2fs

Correct Answer: C
Section: Exam B
Explanation

Explanation/Reference:

QUESTION 14
Which of the following commands will print the inode usage on each mounted filesystem?

A. du -i
B. df -i
C. lsfs -i
D. printfs -i

Correct Answer: B
Section: Exam B
Explanation

Explanation/Reference:

QUESTION 15
Which of the following does the command mount -a do?

A. It mounts the floppy disk for all users.
B. It shows all mounted file systems.
C. It opens /etc/fstab to edit.
D. It mounts all file system listed in /etc/fstab.

Correct Answer: D
Section: Exam B
Explanation

Explanation/Reference:

QUESTION 16
Instead of supplying an explicit device in /etc/fstab for mounting, which of the following other options may be used to identify the intended partition? (Select TWO).

A. FIND
B. ID
C. LABEL
D. NAME
E. UUID

Correct Answer: CE
Section: Exam B
Explanation

Explanation/Reference:

QUESTION 17
What effect does the sticky bit have when set on a directory?

A. There is no effect because the sticky bit has been deprecated in Linux.
B. It provides a hint to the kernel that files in this directory should be cached in memory, if possible.
C. It restrices deletion of file in this directory to only the root user and the file owner regardless of write premission for other users.
D. It instructs the kernel to jeep the underlying data for the files in the directory intact to allow for undeletion of important files.

Correct Answer: C
Section: Exam B
Explanation

Explanation/Reference:

QUESTION 18
An administrator has read/write premissions on an ordinary file foo. The administrator has just run ln foo bar.
Which of the following would occur if the administrator ran rm foo?

A. foo and bar would both be removed.
B. foo would be removed while bar would remain accessible.
C. foo would be removed. bar would still exist but would be unusable.
D. Both foo and bar would remain accessible.
E. The administrator would be asked whether bar should be removed.

Correct Answer: B
Section: Exam B
Explanation

Explanation/Reference:

QUESTION 19
An administrator is experimenting with a binary in /tmp/foo.d that expects its configuration file at /etc/foo.conf.
The administrator does not want to save it there, but use a symbolic link to /tmp/foo.d/foo.conf instead. Which
of the following commands would accomplish this?

A. In -s /tmp/foo.d/foo.conf /etc/foo.conf
B. In /tmp/foo.d/foo.conf /etc/foo.conf
C. In -s /etc/foo /tmp/foo.d/foo.conf
D. In /etc/foo.conf /tmp/foo.d/foo.conf

Correct Answer: A
Section: Exam B
Explanation

Explanation/Reference:

QUESTION 20
Which of the following commands is run LAST during boot on a system with quotas enable?

A. fsck
B. mount
C. quotacheck
D. quotaon

Correct Answer: D
Section: Exam B
Explanation

Explanation/Reference:

QUESTION 21
Select the line that Best represents what premissions the /etc/passwd file should have.

A. -rw------- 1 root root 531 Jun 5 22:45 /etc/passwd
B. -rw-r--r-- 1 root root 531 Jun 5 22:45 /etc/passwd

C. -rw-r--r-- 1 1 1 531 Jun 5 22:45 /etc/passwd
D. All answer listed are not correct.
E. All answer listed are correct.

Correct Answer: B
Section: Exam B
Explanation

Explanation/Reference:

QUESTION 22
Which of the following commands will load a kernel module along with any required dependency modules?

A. depmod
B. insmod
C. modprobe
D. module_install
E. loadmod

Correct Answer: C
Section: Exam B
Explanation

Explanation/Reference:

Exam C

QUESTION 1
During a system boot cycle, which of the following is progrm that is run after the BIOS completes its tasks?

A. The bootloader
B. The inetd program
C. The init program
D. The kernel

Correct Answer: A
Section: Exam C
Explanation

Explanation/Reference:

QUESTION 2
An administrator is having some trouble with a disk partition and needs to do maintenance on this partition but their user's home directories are on it and several are logged in. Which following commands would disconnect the user and allow the administrator to safely execute maintenance tasks?

A. telinit 1
B. shutdown -r now
C. killall -9 inetd
D. /bin/netstop --maint
E. /etc/rc.d/init.d network stop

Correct Answer: A
Section: Exam C
Explanation

Explanation/Reference:

QUESTION 3
Which of the following is the process ID number of the init program?

A. -1
B. 0
C. 1
D. It is different with each reboot.
E. It is set to the current run level

Correct Answer: C
Section: Exam C
Explanation

Explanation/Reference:

QUESTION 4
Which of the following commands can be used to enable a file for paging and swapping?

A. mkswap

B. swapon
C. inswap
D. modswap

Correct Answer: B
Section: Exam C
Explanation

Explanation/Reference:

QUESTION 5
Which of the following apt-get commands will install the newest versions of all currently installed packages without removing any packages of installing new packages that are not already installed?

A. auto-update
B. upgrade
C. dist-upgrade
D. install
E. update

Correct Answer: B
Section: Exam C
Explanation

Explanation/Reference:

QUESTION 6
What is the difference between the --remove and the --purge action with the dpkg command?

A. --remove removes the program, --purge also removes the config files
B. --remove only removes the program, --purge only removes the config files
C. --remove removes a package, --purge also removes all packages dependent on it
D. --remove removes only the package file itself, --purge removes all files related to the package

Correct Answer: A
Section: Exam C
Explanation

Explanation/Reference:

QUESTION 7
To what environment variable will an administrator assign or append a value if the administrator needs to tell the dynamic linker to look in a directory for some of a program's shared libraires?

A. LD_LOAD_PATH
B. LD_LIB_PATH
C. LD_LIBRARY_PATH
D. LD_SHARE_PATH
E. LD_RUN_PATH

Correct Answer: C
Section: Exam C

Explanation

Explanation/Reference:

QUESTION 8
Which of the following RPM commands ill output the name of the package which installed the file /etc/exports?

A. rpm -F /etc/exports
B. rpm -qf /etc/exports
C. rpm -Kl /etc/exports
D. rpm -qp /etc/exports
E. rpm -qi /etc/exports

Correct Answer: B
Section: Exam C
Explanation

Explanation/Reference:

QUESTION 9
Which of the following commands will print important systeminformation such as the kernel version and machine hardware name?

A. sysinfo
B. yname
C. lspci
D. arch
E. info

Correct Answer: B
Section: Exam C
Explanation

Explanation/Reference:

QUESTION 10
Which of the following commands will change all CR-LF pairs in an imported text file, userlist.txt, to linux standard LF characters and store it as newlist.txt?

A. tr '\r\n' " < userlist.txt > newlist.txt
B. tr -c '\n\r' < newlist.txt > userlist.txt
C. tr -d '\r' < userlist.txt > newlist.txt
D. tr '\r' '\n' userlist.txt newlist.txt
E. tr -s '^M' '^J' userlist.txt newlist.txt

Correct Answer: C
Section: Exam C
Explanation

Explanation/Reference:

QUESTION 11
Which of the following commands will print a list of usernames (first column) and their corresponding user id (uid, third column) from /etc/passwd?

A. cut -d -f1,3 /etc/[asswd
B. chop -c 1,3 /etc/passwd
C. tac 1-3 /etc/passwd
D. fmt -u /etc/passwd

Correct Answer: A
Section: Exam C
Explanation

Explanation/Reference:

QUESTION 12
Which of the following is the default action of the split command on an input file?

A. It will break the file into new file of 1,024 byte pieces each.
B. It will break the file into new file of 1,024 line pieces each.
C. It will break the file into new file of 1,024 kilobyte pieces each
D. It will break the file into new file that are no more the 5% of the size of the original file.

Correct Answer: B
Section: Exam C
Explanation

Explanation/Reference:

QUESTION 13
Which of the following commands can be used to create a new file that is 100kB in size?

A. dd
B. file
C. mkfile
D. touch

Correct Answer: A
Section: Exam C
Explanation

Explanation/Reference:

QUESTION 14
When piping the output of find to the xargs command, what option to find is useful if the filenames have spacesin them?

A. -rep-space
B. -print0
C. -nonspace
D. -ignore-space

Correct Answer: B
Section: Exam C
Explanation

Explanation/Reference:

QUESTION 15
Which option to the tee command will cause the output to be concatenated on the end of the output file instead of overwriting the existing file contents?

A. -a
B. -c
C. --no-clobber
D. --continue

Correct Answer: A
Section: Exam C
Explanation

Explanation/Reference:

QUESTION 16
Which of the following shell redirections will write standard output and standard error output to a file named filename?

A. 2>&1>filename
B. >filename 2>&1
C. 1>&2>filename
D. >>filename
E. 1&2>filename

Correct Answer: D
Section: Exam C
Explanation

Explanation/Reference:

QUESTION 17
What is the purpose of the xargs command?

A. It will read standard input and execute command lines with the read input.
B. It will get user input from the graphical environment.
C. It will clean up command line arguments and verify syntactic correctness.
D. It will pass arguments on the command line to a new graphical application.
E. It will allow users to specify long options for commands that normally only accept short options.

Correct Answer: A
Section: Exam C
Explanation

Explanation/Reference:

QUESTION 18
What is the purpose of the & character at the end of a command line?

A. It causes standard error to be unbuffered.
B. It causes the command to be run in the background of the current shell.
C. It puts the command under the job control facilities of the current shell.
D. It causes the command to be run as a child of the initial login shell of the user.

Correct Answer: B
Section: Exam C
Explanation

Explanation/Reference:

QUESTION 19
Which of the following commands will produce the following output?

USER	PID	%CPU	%MEM	VSZ	PSS	TTY	STAT	START	TIME	COMMAND
root	1255	4.4	0.9	60716	34828	tty7	Ss+	09:25	19:04	/usr/bin/X :0
root	2016	0.0	0.0	1792	560	tty1	Ss+	09:26	0:00	/sbin/getty -8
matt	5204	0.0	0.1	6320	3696	pts/4	Ss	13:12	0:00	bash
matt	5219	0.0	0.0	3988	1624	pts/s	S+	13:12	0:00	man bash
matt	5229	0.0	0.0	3584	932	pts/4	S+	13:12	0:00	pager -s
matt	6768	0.0	0.1	10504	3880	pts/2	S+	15:11	0:00	vi README.TXT

A. jobs
B. proclist
C. netstat
D. ps

Correct Answer: D
Section: Exam C
Explanation

Explanation/Reference:

QUESTION 20
Which of the following explanations are vaild reasons to run a command in the background of an administrator's shell?

A. The command does not need to execute immediately.
B. The command has to run immediately but the user needs to log out.
C. The system is being shut down and the command needs to restart execution immediately after the reboot.
D. The command can run at a lower priority than normal commands run on the command line.

Correct Answer: B
Section: Exam C
Explanation

Explanation/Reference:

QUESTION 21
What does the + symbol mean in the following grep regular expression: grep '^d[aei]\+d$' /usr/share/dict/words

A. Match the preceding character set ([aei]) one or more times.
B. Match the preceding character set ([aei]) zero or more times.
C. Match the preceding character set ([aei]) zero or one times.
D. Match a literal + symbol.

Correct Answer: A
Section: Exam C
Explanation

Explanation/Reference:

QUESTION 22
In the vi editor, which of the following commands will copy the current line into the vi buffer?

A. c
B. cc
C. lc
D. yy
E. ly

Correct Answer: D
Section: Exam C
Explanation

Explanation/Reference:

Exam D

QUESTION 1
Which editing a file in vi , the file changes due to another process. Without exiting vi, how can the file be reopened for editing with the new content?

A. :r
B. :n
C. :w
D. :e

Correct Answer: D
Section: Exam D
Explanation

Explanation/Reference:

QUESTION 2
Which of the following is the default process priority when a process is start using the nice command?

A. -10
B. 10
C. 20
D. 0

Correct Answer: B
Section: Exam D
Explanation

Explanation/Reference:

QUESTION 3
Which of the following commands will NOT update the Modify timestamp on the file /tmp/myfile.txt?

A. file /tmp/myfile.txt
B. echo "Hello" >/tmp/myfile.txt
C. sed -ie "s/1/2/" /tmp/myfile.txt
D. echo -n "Hello" >/tmp/myfile.txt
E. touch /tmp/myfile.txt

Correct Answer: A
Section: Exam D
Explanation

Explanation/Reference:

QUESTION 4
Pressing the Ctrl-C combination on the keyboard while a command is executing in the foreground sends which of following signal codes?

A. 1 (SIGHUP)
B. 2 (SIGINT)

C. 3 (SIGQUIT)
D. 9 (SIGKILL0
E. 15 (SIGTERM)

Correct Answer: B
Section: Exam D
Explanation

Explanation/Reference:

QUESTION 5
In compliance with the FHS, in which f the following directories are man pages typically found?

A. /usr/share/man

B. /opt/man
C. /usr/doc/
D. /var/pkg/man
E. /usr/local/man

Correct Answer: A
Section: Exam D
Explanation

Explanation/Reference:

QUESTION 6
In the command foo < bar | foobar, which of the following statements is correct?

A. The stdout from the command foobar is saved to the file foo.
B. The stdout from the command foo is saved to the file foobar.
C. The command foobar receives its stdin from the stderr of foo.
D. The command foobar receives its stdin from the stdout of foo.
E. The command bar receives its stdin from the contents of the file foobar.

Correct Answer: D
Section: Exam D
Explanation

Explanation/Reference:

QUESTION 7
An administrator has created a long letter and after the administrator is done, notices that the name "Bob" has been used many times. The administrator forgot to capitalize it in many instances. Which of the following commands would replace "bob" with "Bob" in all instances and generate a new letter for printing?

A. sed '/bob/Bob' letter > newletter
B. sed s/bob/Bob/ letter < newletter
C. sed 's/bob/Bob' letter > newletter
D. sed 's/bob/Bob/g' letter > newletter
E. ssed 's/bob, Bob/' letter > newletter

Correct Answer: D
Section: Exam D
Explanation

Explanation/Reference:

QUESTION 8
An administrator is writing text in vi. Now the administrator wants to save their change and exit. Which of the following sequence of inputs will accomplish this? (Select TWO).

A. esc ZZ
B. ctrl :w!
C. esc zz
D. esc :wq!
E. ctrl XX

Correct Answer: AD
Section: Exam D
Explanation

Explanation/Reference:

QUESTION 9
Which of the following commands will create an ext3 filesystem on /dev/hda2?

A. /sbin/mke2fs -d /dev/hda2
B. /sbin/mke2fs -j /dev/hda2
C. /sbin/mke2fs -m 3 /dev/hda2
D. /sbin/mke2fs -c ext3 /dev/hda2

Correct Answer: B
Section: Exam D
Explanation

Explanation/Reference:

QUESTION 10
Which of the following commands will allow an administrator to adjust the number of mounts after which an existing filesystem will be checked by e2fsck?

A. debugfs
B. dumpe2fs
C. mode2fs
D. tune2fs

E. mke2fs

Correct Answer: D
Section: Exam D
Explanation

Explanation/Reference:

QUESTION 11
Which of the following commands will print the amount of disk space used by files specified on the command line?

A. dc
B. dd
C. df
D. du

Correct Answer: D
Section: Exam D
Explanation

Explanation/Reference:

QUESTION 12
To allow a regular user account to mount and unmount a filesystem (for instance, a cdrom or floppy), which option will need to be added to the correponding line in /etc/fstab?

A. nouidchk
B. alluser
C. user
D. auto

Correct Answer: C
Section: Exam D
Explanation

Explanation/Reference:

QUESTION 13
After running the command umount /mnt, the following error message is displayed: umount: /mnt: device is busy. What is a common reason for this message?

A. The kernel has not finished flushing disk writes to the mounted device.
B. A user has a file open in the /mnt directory.
C. The previous rm command has not finished.
D. The files in /mnt have been scanned and added to the locate database.
E. The kernel thinks that a process is about to open a file in /mnt for reading.

Correct Answer: B
Section: Exam D
Explanation

Explanation/Reference:

QUESTION 14
Which chown command will change the ownership to dave and the group to staff on a named data.txt?

A. chown dave/staff data.txt
B. chown -u dave -g staff data.txt
C. chown --user dave --group staff data.txt
D. chown dave:staff data.txt

Correct Answer: D
Section: Exam D
Explanation

Explanation/Reference:

QUESTION 15
Which of the following commands enables the setuid (suid) permission on the executable called /bin/foo?

A. chmod 1755 /bin/foo
B. chmod 4755 /bin/foo
C. chown u-s /bin/foo
D. chmod 755+s /bin/foo

Correct Answer: B
Section: Exam D
Explanation

Explanation/Reference:

QUESTION 16
Which of the following is true when hard-linked files are present?

A. The output of stat will report "hard" instead of "regular file"
B. The hard-linked files may not be empty
C. Both files will share the same inode
D. Issuing a long directory listing with ls -l will indicate the link with "->"
E. The file permissions will be prefixed by an "h", eg. hrwxr-x-r-x

Correct Answer: C
Section: Exam D
Explanation

Explanation/Reference:

QUESTION 17
Which of the following commands can be used to locate programs and their corresponding man pages and configuration files?

A. locate
B. which

C. find

D. query

E. whereis

Correct Answer: E
Section: Exam D
Explanation

Explanation/Reference:

QUESTION 18
An administrator is trying to make a hard link to an ordinary file but ln returns an error. Which of the following could cause this?

A. The source file is hidden.

B. The source file is read-only.

C. The source file is a shell script.

D. The administrator does not own the source file.

E. The source and the target are on different filesystems.

Correct Answer: E
Section: Exam D
Explanation

Explanation/Reference:

QUESTION 19
An administrator wants the default permissions for their file to be -rw-r-----. Which of the following is the most useful setting for umask?

A. 037

B. 640

C. 038

D. 027

Correct Answer: D
Section: Exam D
Explanation

Explanation/Reference:

QUESTION 20
Which of the following Linux fileststems pre-allocates a fixed number of inodes at filesystems make/creation time, and des NOT generate them as needed?

A. ext3

B. jfs

C. reiserfs

D. xfs

Correct Answer: A
Section: Exam D

Explanation

Explanation/Reference:

QUESTION 21
Which of the following does the Filesystem Hierarchy Standard enable? (Select TWO).

A. Software to predict the location of installed files and directories.
B. Software to predict the ownership and access rights to files and directories.
C. Users to predict the location of installed files and directories
D. Users to predict how the filesystem should be formatted according to need.

Correct Answer: AC
Section: Exam D
Explanation

Explanation/Reference:

QUESTION 22
When should grep -F or the fgrep command be used to search the content text files?

A. When files need to be searched that contain non-ASCII text.
B. When only the presence of the search pattern needs to be reported and not evert line matches the search.
C. When the text begin searched for does not contain any regular expression patterns.
D. When the text file will be searched multiple times. Subsequent calls to fgrep will ren faster.

Correct Answer: C
Section: Exam D
Explanation

Explanation/Reference:

Exam E

QUESTION 1
Which command displays the contents of the Kernel Ring Buffer on the command line? (Provides only the command name without any options or path information)

Correct Answer: dmesg
Section: (none)
Explanation

Explanation/Reference:

QUESTION 2
The USB device filesystem can be found under /proc/_____/usb/. (Please fill in the blank with the single word only).

Correct Answer: bus
Section: (none)
Explanation

Explanation/Reference:

QUESTION 3
Typically, which top level system directory is used for files an data that change regularly while the system is running and are to be kept between reboot? (Specify only the top level directory).

Correct Answer: /var
Section: (none)
Explanation

Explanation/Reference:

QUESTION 4
what option, when passed to the tum command, will update the entire system? (Specify ONLY the option name with no additional parameters).

Correct Answer: update
Section: (none)
Explanation

Explanation/Reference:

QUESTION 5
To change the priority of a running process, an administrator uses the _____ command. (specify command only with no options.)

Correct Answer: renice
Section: (none)
Explanation

Explanation/Reference:

QUESTION 6
The priority of any process can range from -20 to _____. (Provide only the numerical value).

Correct Answer: +19
Section: (none)
Explanation

Explanation/Reference:

QUESTION 7
In the vi editor, what vu command will copy (but not paste) from the current line at the cursor and the following 16 lines (17 lines total)? Enter the correct vi command without spaces. (Please enter only a single answer.)

Correct Answer: 17Y
Section: (none)
Explanation

Explanation/Reference:

QUESTION 8
Which program updates the database that is used by the locate command?

Correct Answer: updatedb
Section: (none)
Explanation

Explanation/Reference:

QUESTION 9
_____ /dev/sda3 will create a swap area on the device /dev/sda3.

Correct Answer: mkswap
Section: (none)
Explanation

Explanation/Reference:

QUESTION 10
What umask value will result in the default access permission of 600 (rw-------) for filws and 700 (rwx-------)for directories? (Provide only the numerical umask value).

Correct Answer: 077
Section: (none)
Explanation

Explanation/Reference:

QUESTION 11
An administrator wants to display all currently mounted file systems. Which command would be used? (Please enter only a single command without argyment or options).

Correct Answer: /bin/df
Section: (none)
Explanation

Explanation/Reference:

QUESTION 12
To prevent users from being able to fill up the / partition, the _____ directory should be on a separate
partition if possible because it is world writeable

Correct Answer: tmp
Section: (none)
Explanation

Explanation/Reference:

QUESTION 13
The /etc/_____ file lists urrently mounted devices.

Correct Answer: mtab
Section: (none)
Explanation

Explanation/Reference:

QUESTION 14
An administrator suspects that a new Ethernet card might be conflicting with another device. Which file should
the administrator check within the /proc tree to learn which IRQs are being used by which kernel drivers?
(Please enter only a single command and do not enter duplicate answer in this field.)

Correct Answer: /proc/interrupts
Section: (none)
Explanation

Explanation/Reference:

QUESTION 15
Which command will disable paging and swapping on device? (Provide only the command with no additional
options or parameters).

Correct Answer: /sbin/swapoff
Section: (none)
Explanation

Explanation/Reference:

QUESTION 16
What command will print the shared libraries for the file /usr/lib/libpng12.so? (Provides the full command with
library name but without any other options or parameters).

Correct Answer: ldd /usr/lib/libpng12.so
Section: (none)
Explanation

Explanation/Reference:

QUESTION 17
An administrator has downloaded an image file of a boot floppy disk to a hard drive. Which of the following is

BEST utility to create a boot floppy from the disk image? (specify a single command without options.)

Correct Answer: /bin/dd
Section: (none)
Explanation

Explanation/Reference:

QUESTION 18
An administrator has written a custom tool on their local system. Following the Filesystem Hierarchy Standard (FHS), where should the administrator install the binaries to be available to all users on the administrator's system?

Correct Answer: /usr/local/bin/
Section: (none)
Explanation

Explanation/Reference:

QUESTION 19
What file in the /proc filesystem lists parameter passed from the bootloader to the kernel? (Please enter onlt a single command a single command and do not enter duplicate answers in this field.)

Correct Answer: /proc/cmdline
Section: (none)
Explanation

Explanation/Reference:

QUESTION 20
Which command will display messages from the kernel that were output during the normal bootup sequence? (please enter only a single command and do not enter duplicate answers in this field.)

Correct Answer: /bin/dmesg
Section: (none)
Explanation

Explanation/Reference:

QUESTION 21
The system configuration file named _____ is commonly used to set the default runlevel. (Please provide the fill name with full path information).

Correct Answer: /etc/inittab
Section: (none)
Explanation

Explanation/Reference:

QUESTION 22
In which directory must definition files be place to add additional repositories to yum?

Correct Answer: yum.repos.d/
Section: (none)

Explanation

Explanation/Reference:

QUESTION 23
An administrator has issued the following command: grub-install --root-directory=/custom-grub /dev/sda In which directory will the new configuration files be found? (Provide the full directory path only without the filename).

Correct Answer: custom-grub/boot/grub
Section: (none)
Explanation

Explanation/Reference:

QUESTION 24
The dpkg-_____ command will ask configuration questions for a specifed package, just as if the package were begin installed for the first time.

Correct Answer: reconfigure
Section: (none)
Explanation

Explanation/Reference:

QUESTION 25
What is the name of the main configuration file for grub? (Please specify the file name with no path information).

Correct Answer: grub.cfg
Section: (none)
Explanation

Explanation/Reference:

QUESTION 26
which command is used to enable disk quotas on a particular filesystem? (Provide only the command, with no options or parameters)

Correct Answer: /sbin/quotaon
Section: (none)
Explanation

Explanation/Reference: