

[Question 1]

Which of the following commands set the sticky bit for the directory /tmp? (Choose TWO correct answers.)

- A. chmod +s /tmp
- B. chmod +t /tmp
- C. chmod 1775 /tmp
- D. chmod 4775 /tmp
- E. chmod 2775 /tmp

Correct Answer: BC

[Question 2]

Which of the following commands can be used to display the inode number of a given file?

- A. inode
- B. ls
- C. ln
- D. cp

Correct Answer: B

[Question 3]

Which of the following commands shows the definition of a given shell command?

- A. where
- B. stat
- C. type
- D. case

Correct Answer: C

[Question 4]

What do the permissions -rwSr-xr-x mean for a binary file when it is executed as a command ?

- A. The command is SetUID and it will be executed with the effective rights of the owner.
- B. The command will be executed with the effective rights of the group instead of the owner.
- C. The execute flag is not set for the owner. Therefore the SetUID flag is ignored.
- D. The command will be executed with the effective rights of the owner and group.

Correct Answer: C

[Question 5]

Which of the following pieces of information of an existing file is changed when a hard link pointing to that file is created?

- A. File size
- B. Modify timestamp
- C. Link count
- D. Inode number
- E. Permissions

Correct Answer: C

[Question 6]

What does the command `mount -a` do?

- A. It mounts all available filesystems onto the current directory.
- B. It shows all mounted filesystems.
- C. It mounts all user mountable filesystems for the current user.
- D. It mounts all filesystems listed in `/etc/fstab` which have the option `auto` set.
- E. It mounts all filesystems listed in `/etc/fstab` which have the option `noauto` set.

Correct Answer: D

[Question 7]

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. Another file system still contains a symlink to a file inside `/mnt`.
- 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

[Question 8]

SIMULATION

Which umask value will result in the default access permissions of 600 (rwâ\200\224â\200\224-) for files and 700 (rwxâ\200\224â\200\224) for directories? (Specify only the numerical umask value.)

Correct Answer: 0077 -or- 077

[Question 9]

Instead of supplying an explicit device in /etc/fstab for mounting, what other options may be used to identify the intended partition? (Choose TWO correct answers.)

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

Correct Answer: CE

[Question 10]

What is the purpose of the Filesystem Hierarchy Standard?

- A. It is a security model used to ensure files are organized according to their permissions and accessibility.
- B. It provides unified tools to create, maintain and manage multiple filesystems in a common way.
- C. It defines a common internal structure of inodes for all compliant filesystems.
- D. It is a distribution neutral description of locations of files and directories.

Correct Answer: D

[Question 11]

Which utility would be used 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

[Question 12]

Which of the following Linux filesystems preallocates a fixed number of inodes at the file system's make/creation time and does NOT generate them as needed? (Choose TWO correct answers.)

- A. ext3
- B. JFS
- C. ext2
- D. XFS
- E. procfs

Correct Answer: AC

[Question 13]

Which of the following commands creates an ext3 filesystem on /dev/sdb1? (Choose TWO correct answers.)

- A. /sbin/mke2fs -j /dev/sdb1
- B. /sbin/mkfs -t ext3 /dev/sdb1
- C. /sbin/mkfs -c ext3 /dev/sdb1
- D. /sbin/mke3fs -j /dev/sdb1

Correct Answer: AB

[Question 14]

Which of the following commands will change the quota for a specific user?

- A. edquota
- B. repquota
- C. quota -e
- D. quota

Correct Answer: A

[Question 15]

Creating a hard link to an ordinary file returns an error. What could be the reason for this?

- A. The source file is hidden.
- B. The source file is read-only.
- C. The source file is a shell script.
- D. The source file is already a hard link.
- E. The source and the target are on different filesystems.

Correct Answer: E

[Question 16]

Which of the following file permissions belong to a symbolic link?

- A. -rwxrwxrwx
- B. +rwxrwxrwx
- C. lrwxrwxrwx
- D. srwxrwxrwx

Correct Answer: C

[Question 17]

How many fields are in a syntactically correct line of /etc/fstab?

- A. 3
- B. 4
- C. 5
- D. 6
- E. 7

Correct Answer: D

[Question 18]

SIMULATION

Which command is used to create and initialize the files used to store quota information? (Specify ONLY the command without any path or parameters.)

Correct Answer: quotacheck

[Question 19]

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

- A. dirname
- B. which
- C. basename
- D. query
- E. whereis

Correct Answer: E

[Question 20]

Which of the following commands changes the number of days before the ext3 filesystem on /dev/sda1 has to run through a full filesystem check while booting?

- A. tune2fs -d 200 /dev/sda1
- B. tune2fs -c 200 /dev/sda1
- C. tune2fs -i 200 /dev/sda1
- D. tune2fs -n 200 /dev/sda1
- E. tune2fs -a 200\223days 200 /dev/sda1

Correct Answer: C

[Question 21]

Which type of filesystem is created by mkfs when it is executed with the block device name only and without any additional parameters?

- A. ext2
- B. ext3

- C. ext4
- D. XFS
- E. VFAT

Correct Answer: A

[Question 22]

In order to display all currently mounted filesystems, which of the following commands could be used? (Choose TWO correct answers.)

- A. cat /proc/self/mounts
- B. free
- C. mount
- D. ls mounts
- E. cat /proc/filesystems

Correct Answer: AC

[Question 23]

Which of the following is the device file name for the second partition on the only SCSI drive?

- A. /dev/hda1
- B. /dev/sda2
- C. /dev/sd0a2
- D. /dev/sd1p2

Correct Answer: B

[Question 24]

Which of the following settings for umask ensures that new files have the default permissions -rw-râ\200\224â\200\223 ?

- A. 0017
- B. 0640
- C. 0038
- D. 0027

Correct Answer: D

[Question 25]

Which of the following commands can be used to search for the executable file foo when it has been placed in a directory not included in \$PATH?

- A. apropos
- B. which
- C. find
- D. query
- E. whereis

Correct Answer: C

[Question 26]

What does the command mount -a do?

- A. It ensures that all file systems listed with the option noauto in /etc/fstab are mounted.
- B. It shows all mounted file systems that have been automatically mounted.
- C. It opens an editor with root privileges and loads /etc/fstab for editing.
- D. It ensures that all file systems listed with the option auto in /etc/fstab are mounted.
- E. It ensures that all file systems listed in /etc/fstab are mounted regardless of their options.

Correct Answer: D

[Question 27]

After moving data to a new filesystem, how can the former path of the data be kept intact in order to avoid reconfiguration of existing applications?

(Choose TWO correct answers.)

- A. By creating an ACL redirection from the old to the new path of the data.
- B. By creating a hard link from the old to the new path of the data.
- C. By creating a symbolic link from the old to the new path of the data.
- D. By running the command touch on the old path.
- E. By mounting the new filesystem on the original path of the data.

Correct Answer: CE

[Question 28]

Which of the following commands changes the ownership of file.txt to the user dan and the group staff?

- A. chown dan/staff file.txt
- B. chown dan:staff file.txt
- C. chown -u dan -g staff file.txt
- D. chown dan -g staff file.txt

Correct Answer: B

[Question 29]

Which of the following commands makes /bin/foo executable by everyone but writable only by its owner?

- A. chmod u=rwx,go=rx /bin/foo
- B. chmod o=rwx,a+rx /bin/foo
- C. chmod 577 /bin/foo
- D. chmod 775 /bin/foo

Correct Answer: A

[Question 30]

After successfully creating a hard link called bar to the ordinary file foo, foo is deleted from the filesystem. Which of the following describes the resulting situation?

- 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 user is prompted whether bar should be removed, too.

Correct Answer: B

[Question 31]

Which of the following are valid stream redirection operators within Bash? (Choose THREE c

orrect answers.)

- A. <
- B. <<<
- C. >
- D. >>>
- E. %>

Correct Answer: ABC

[Question 32]

Which of the following commands can be used to determine how long the system has been running? (Choose TWO correct answers.)

- A. uptime
- B. up
- C. top
- D. uname -u
- E. time up

Correct Answer: AC

[Question 33]

When given the following command line. `echo "foo bar" | tee bar | cat`
Which of the following output is created?

- A. cat
- B. foo bar
- C. tee bar
- D. bar
- E. foo

Correct Answer: B

[Question 34]

SIMULATION

Which command is used in a Linux environment to create a new directory? (Specify ONLY the command without any path or parameters.)

Correct Answer: mkdir -or- /usr/bin/mkdir

[Question 35]

Which of the following commands prints all files and directories within the /tmp directory or its subdirectories which are also owned by the user root?

(Choose TWO correct answers.)

- A. find /tmp -uid root -print
- B. find -path /tmp -uid root
- C. find /tmp -user root -print
- D. find /tmp -user root
- E. find -path /tmp -user root print

Correct Answer: CD

[Question 36]

When running the command

```
sed -e "s/a/b/" /tmp/file >/tmp/file
```

While /tmp/file contains data, why is /tmp/file empty afterwards?

- A. The file order is incorrect. The destination file must be mentioned before the command to ensure redirection.
- B. The command sed did not match anything in that file therefore the output is empty.
- C. When the shell establishes the redirection it overwrites the target file before the redirected command starts and opens it for reading.
- D. Redirection for shell commands do not work using the > character. It only works using the | character instead.

Correct Answer: C

[Question 37]

Which variable defines the directories in which a Bash shell searches for executable commands?

- A. BASHEXEC
- B. BASHRC
- C. PATH
- D. EXECPATH
- E. PATHRC

Correct Answer: C

[Question 38]

Which of the following commands determines the type of a file by using a definition database file which contains information about all common file types?

- A. magic
- B. type
- C. file
- D. pmagic
- E. hash

Correct Answer: C

[Question 39]

Which of the following signals is sent to a process when the key combination CTRL+C is pressed on the keyboard?

- A. SIGTERM
- B. SIGINT
- C. SIGSTOP
- D. SIGKILL

Correct Answer: B

[Question 40]

What happens after issuing the command vi without any additional parameters?

- A. vi starts and loads the last file used and moves the cursor to the position where vi was when it last exited.
- B. vi starts and requires the user to explicitly either create a new or load an existing file.
- C. vi exits with an error message as it cannot be invoked without a file name to operate on.
- D. vi starts in command mode and opens a new empty file.
- E. vi starts and opens a new file which is filled with the content of the vi buffer if the buffer contains text.

Correct Answer: D

[Question 41]

Which of the following command sets the Bash variable named TEST with the content FOO?

- A. set TEST="FOO"
- B. TEST = "FOO"
- C. var TEST="FOO"
- D. TEST="FOO"

Correct Answer: D

[Question 42]

Which of the following commands prints a list of usernames (first column) and their primary group (fourth column) from the /etc/passwd file?

- A. fmt -f 1,4 /etc/passwd
- B. split -c 1,4 /etc/passwd
- C. cut -d : -f 1,4 /etc/passwd
- D. paste -f 1,4 /etc/passwd

Correct Answer: C

[Question 43]

Which of the following commands will print the last 10 lines of a text file to the standard output?

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

Correct Answer: D

[Question 44]

Which character, added to the end of a command, runs that command in the background as a child process of the current shell?

- A. !
- B. +
- C. &
- D. %
- E. #

Correct Answer: C

[Question 45]

When starting a program with the nice command without any additional parameters, which nice level is set for the resulting process?

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

Correct Answer: C

[Question 46]

Which of the following commands will reduce all consecutive spaces down to a single space?

- A. `tr -s '\200\230sâ\200\231 â\200\230 â\200\230 < a.txt > b.txt`
- B. `tr -c â\200\230 â\200\230 < a.txt > b.txt`
- C. `tr -d â\200\230 â\200\230 < a.txt > b.txt`
- D. `tr -r â\200\230 â\200\230 â\200\230nâ\200\231 < a.txt > b.txt`
- E. `tr -s â\200\230 â\200\230 < a.txt > b.txt`

Correct Answer: E

[Question 47]

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

[Question 48]

Which of the following sequences in the vi editor saves the opened document and exits the editor? (Choose TWO correct answers.)

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

Correct Answer: AD

[Question 49]

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: B

[Question 50]

Regarding the command: nice -5 /usr/bin/prog

Which of the following statements is correct?

- A. /usr/bin/prog is executed with a nice level of -5.
- B. /usr/bin/prog is executed with a nice level of 5.
- C. /usr/bin/prog is executed with a priority of -5.
- D. /usr/bin/prog is executed with a priority of 5.

Correct Answer: B

[Question 51]

Which shell command is used to continue background execution of a suspended command?

- A. &
- B. bg
- C. cont
- D. exec
- E. :&

Correct Answer: B

[Question 52]

Which grep command will print only the lines that do not end with a / in the file foo?

- A. grep â\200\230/\$â\200\231 foo
- B. grep â\200\230/#â\200\231 foo
- C. grep -v â\200\230/\$â\200\231 foo
- D. grep -v â\200\230/#â\200\231 foo

Correct Answer: C

[Question 53]

Which of the following commands is used to change options and positional parameters for a running Bash?

- A. history
- B. set
- C. bashconf
- D. setsh
- E. envsetup

Correct Answer: B

[Question 54]

Which of the following commands replaces each occurrence of â\200\230bobâ\200\231 in the file letter with â\200\230Bobâ\200\231 and writes the result to the file newletter?

- A. sed â\200\230/bob/Bobâ\200\231 letter > newletter
- B. sed s/bob/Bob/ letter < newletter
- C. sed â\200\230s/bob/Bobâ\200\231 letter > newletter
- D. sed â\200\230s/bob/Bob/gâ\200\231 letter > newletter
- E. sed â\200\230s/bob, Bob/â\200\231 letter > newletter

Correct Answer: D

[Question 55]

From a Bash shell, which of the following commands directly executes the instruction from the file /usr/local/bin/runme.sh without starting a subshell?

(Please select TWO answers.)

- 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: AB

[Question 56]

Which of the following files, located in the user home directory, is used to store the Bash history?

- A. .bash_history
- B. .bash_histfile
- C. .history
- D. .bashrc_history
- E. .history_bash

Correct Answer: A

[Question 57]

SIMULATION

Which Bash environment variable defines in which file the user history is stored when exiting a Bash process? (Specify ONLY the variable name.)

Correct Answer: HISTFILE

[Question 58]

Which of the following commands displays the contents of a gzip compressed tar archive?

- A. gzip archive.tgz | tar xvf â\200\223
- B. tar ztf archive.tgz
- C. gzip -d archive.tgz | tar tvf â\200\223
- D. tar cf archive.tgz

Correct Answer: B

[Question 59]

In the vi editor, how can commands such as moving the cursor or copying lines into the buffer be issued multiple times or applied to multiple rows?

- A. By using the command :repeat followed by the number and the command.
- B. By specifying the number right in front of a command such as 4l or 2yj.
- C. By selecting all affected lines using the shift and cursor keys before applying the command.
- D. By issuing a command such as :set repetition=4 which repeats every subsequent command 4 times.

Correct Answer: B

[Question 60]

What does the ? symbol within regular expressions represent?

- A. Match the preceding qualifier one or more times.
- B. Match the preceding qualifier zero or more times.
- C. Match the preceding qualifier zero or one times.
- D. Match a literal ? character.

Correct Answer: C

[Question 61]

Which of the following commands moves and resumes in the background the last stopped shell job?

- A. run
- B. bg
- C. fg
- D. back

Correct Answer: B

[Question 62]

What is the effect of the egrep command when the -v option is used?

- A. It enables color to highlight matching parts.
- B. It only outputs non-matching lines.
- C. It shows the command's version information.
- D. It changes the output order showing the last matching line first.

Correct Answer: B

[Question 63]

What is the difference between the i and a commands of the vi editor?

- A. i (interactive) requires the user to explicitly switch between vi modes whereas a (automatic) switches modes automatically.
- B. i (insert) inserts text before the current cursor position whereas a (append) inserts text after the cursor.
- C. i (independent rows) starts every new line at the first character whereas a (aligned rows) keeps the indentation of the previous line.
- D. i (interrupt) temporarily suspends editing of a file to the background whereas a (abort) terminates editing.

Correct Answer: B

[Question 64]

SIMULATION

Which command displays a list of all background tasks running in the current shell? (Specify ONLY the command without any path or parameters.)

Correct Answer: jobs

[Question 65]

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

[Question 66]

What is the default nice level when a process is started using the nice command?

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

Correct Answer: B

[Question 67]

What is the default action of the split command on an input file?

- A. It will break the file into new files of 1,024 byte pieces each.
- B. It will break the file into new files of 1,000 line pieces each.
- C. It will break the file into new files of 1,024 kilobyte pieces each.
- D. It will break the file into new files that are no more than 5% of the size of the original file.

Correct Answer: B

[Question 68]

Which of the following characters can be combined with a separator string in order to read from the current input source until the separator string, which is on a separate line and without any trailing spaces, is reached?

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

Correct Answer: A

[Question 69]

A user accidentally created the subdirectory dir in his home directory. Which of the following commands will remove that directory?

- A. rmdir â\200\230~/dirâ\200\231
- B. rmdir "~/dir"
- C. rmdir ~/â\200\231dirâ\200\231
- D. rmdir ~/dir
- E. rmdir ~/\dir

Correct Answer: E

[Question 70]

In compliance with the FHS, in which of the directories are man pages found?

- A. /usr/share/man
- B. /opt/man
- C. /usr/doc/
- D. /var/pkg/man
- E. /var/man

Correct Answer: A

[Question 71]

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 > file1.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

[Question 72]

What is the purpose of the Bash built-in export command?

- A. It allows disks to be mounted remotely.
- B. It runs a command as a process in a subshell.
- C. It makes the command history available to subshells.
- D. It sets up environment variables for applications.
- E. It shares NFS partitions for use by other systems on the network.

Correct Answer: D

[Question 73]

What is the output of the following command?

- ```
echo "Hello World" | tr -d aieou
```
- A. Hello World
  - B. eoo
  - C. Hll Wrld
  - D. eoo Hll Wrld

Correct Answer: C

[ Question 74 ]

SIMULATION

Which signal is missing from the following command that is commonly used to instruct a daemon to reinitialize itself, including reading configuration files? `killall -s _____ daemon`

Correct Answer: HUP -or- SIGHUP -or- 1

[ Question 75 ]

What is the maximum niceness value that a regular user can assign to a process with the `nice` command when executing a new process?

- A. 9
- B. 19
- C. 49
- D. 99

Correct Answer: B

[ Question 76 ]

Immediately after deleting 3 lines of text in `vi` and moving the cursor to a different line, which single character command will insert the deleted content below the current line?

- A. `i` (lowercase)
- B. `P` (uppercase)
- C. `p` (lowercase)
- D. `U` (uppercase)
- E. `u` (lowercase)

Correct Answer: C

[ Question 77 ]

Which of the following statements is correct regarding the command `foo 1> bar`?

- A. The stdout from the command `foo` is appended to the file `bar`.
- B. The stdout from the command `foo` overwrites the file `bar`.
- C. The command `foo` receives its stdin from the file `bar`.
- D. The command `foo` receives its stdin from the stdout of the command `bar`.
- E. The stderr from the command `foo` is saved to the file `bar`.

Correct Answer: B

[ Question 78 ]

Which of the following commands kills the process with the PID 123 but allows the process to "clean up" before exiting?

- A. kill -PIPE 123
- B. kill -KILL 123
- C. kill -STOP 123
- D. kill -TERM 123

Correct Answer: D

[ Question 79 ]

In a nested directory structure, which find command line option would be used to restrict the command to searching down a particular number of subdirectories?

- A. -dirmax
- B. -maxdepth
- C. -maxlevels
- D. -n
- E. -s

Correct Answer: B

[ Question 80 ]

What command will generate a list of user names from /etc/passwd along with their login shell?

- A. column -s : 1,7 /etc/passwd
- B. chop -c 1,7 /etc/passwd
- C. colrm 1,7 /etc/passwd
- D. cut -d: -f1,7 /etc/passwd

Correct Answer: D

[ Question 81 ]

In Bash, inserting 1>&2 after a command redirects

- A. standard error to standard input.
- B. standard input to standard error.



- C. standard output to standard error.
- D. standard error to standard output.
- E. standard output to standard input.

Correct Answer: C

[ Question 82 ]

Which of the following commands overwrites the bootloader located on /dev/sda without overwriting the partition table or any data following it?

- A. dd if=/dev/zero of=/dev/sda bs=512
- B. dd if=/dev/zero of=/dev/sda bs=512 count=1
- C. dd if=/dev/zero of=/dev/sda bs=440 count=1
- D. dd if=/dev/zero of=/dev/sda bs=440

Correct Answer: C

[ Question 83 ]

Which of the following commands can be used to create a USB storage media from a disk image?

- A. gdisk
- B. dd
- C. cc
- D. fdisk
- E. mount

Correct Answer: B

[ Question 84 ]

SIMULATION

Which option to the yum command will update the entire system? (Specify ONLY the option name without any additional parameters.)

Correct Answer: update -or- upgrade

[ Question 85 ]

SIMULATION

Which command will disable swapping on a device? (Specify ONLY the command without any path or parameters.)

Correct Answer: swapoff -or- /sbin/swapoff

[ Question 86 ]

SIMULATION

Which Debian package management tool asks the configuration questions for a specific already installed package just as if the package were being installed for the first time? (Specify ONLY the command without any path or parameters.)

Correct Answer: dpkg-reconfigure

[ Question 87 ]

Which file should be edited to select the network locations from which Debian installation package files 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

[ Question 88 ]

When removing a package, which of the following dpkg options will completely remove the files including configuration files?

- A. â\200\223clean
- B. â\200\223delete
- C. â\200\223purge

D. remove

Correct Answer: C

[ Question 89 ]

SIMULATION

What is the name of the main configuration file for GNU GRUB? (Specify the file name only without any path.)

Correct Answer: menu.lst -or- grub.conf -or- grub.cfg

[ Question 90 ]

SIMULATION

In which directory must definition files be placed to add additional repositories to yum?

Correct Answer: /etc/yum.repos.d -or- /etc/yum.repos.d/ -or- yum.repos.d -or- yum.repos.d/

[ Question 91 ]

Which RPM command will output the name of the package which supplied 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

[ Question 92 ]

Which of the following environment variables overrides or extends the list of directories holding shared libraries?

- A. LD\_LOAD\_PATH
- B. LD\_LIB\_PATH
- C. LD\_LIBRARY\_PATH
- D. LD\_SHARE\_PATH
- E. LD\_RUN\_PATH

Correct Answer: C

[ Question 93 ]

SIMULATION

Which world-writable directory should be placed on a separate partition in order to prevent users from being able to fill up the / filesystem? (Specify the full path to the directory .)

Correct Answer: /tmp -or- tmp -or- /var/tmp -or- /tmp/ -or- /var/tmp/

[ Question 94 ]

Which function key is used to start Safe Mode in Windows NT?

- A. F10
- B. F8
- C. F6
- D. Windows NT does not support Safe Mode

Correct Answer: D

[ Question 95 ]

Which of the following is correct when talking about mount points?

- A. Every existing directory can be used as a mount point.
- B. Only empty directories can be used as a mount point.
- C. Directories need to have the SetUID flag set to be used as a mount point.
- D. Files within a directory are deleted when the directory is used as a mount point.

Correct Answer: A

[ Question 96 ]

Which of the following commands can be used to download the RPM package kernel without installing it?

- A. yum download --no-install kernel
- B. yumdownloader kernel
- C. rpm --download --package kernel
- D. rpmdownload kernel

Correct Answer: B

[ Question 97 ]

When using rpm --verify to check files created during the installation of RPM packages, which of the following information is taken into consideration?

(Choose THREE correct answers.)

- A. Timestamps
- B. MD5 checksums
- C. Inodes
- D. File sizes
- E. GnuPG signatures

Correct Answer: ABD

[ Question 98 ]

Which of the following commands updates the linker cache of shared libraries?

- A. mkcache
- B. soconfig
- C. mkldconfig
- D. lddconfig
- E. ldconfig

Correct Answer: E

[ Question 99 ]

Which of the following commands lists all currently installed packages when using RPM package management?

- A. yum â\200\223query â\200\223all
- B. yum â\200\223list â\200\223installed
- C. rpm â\200\223query â\200\223all
- D. rpm â\200\223list installed

Correct Answer: C

[ Question 100 ]

What can the Logical Volume Manager (LVM) be used for? (Choose THREE correct answers.)

- A. To create RAID 9 arrays.
- B. To dynamically change the size of logical volumes.
- C. To encrypt logical volumes.
- D. To create snapshots.
- E. To dynamically create or delete logical volumes.

Correct Answer: BDE

[ Question 101 ]

Which of the following options is used in a GRUB Legacy configuration file to define the amount of time that the GRUB menu will be shown to the user?

- A. hidemenu
- B. splash
- C. timeout
- D. showmenu

Correct Answer: C

[ Question 102 ]

Which of the following commands lists the dependencies of a given dpkg package?

- A. apt-cache depends-on package
- B. apt-cache dependencies package
- C. apt-cache depends package

D. apt-cache requires package

Correct Answer: C

[ Question 103 ]

Which of the following commands is used to update the list of available packages when using dpkg based package management?

- A. apt-get update
- B. apt-get upgrade
- C. apt-cache update
- D. apt-get refresh
- E. apt-cache upgrade

Correct Answer: A

[ Question 104 ]

After modifying GNU GRUB's configuration file, which command must be run for the changes to take effect?

- A. kill -HUP \$(pidof grub)
- B. grub-install
- C. grub
- D. No action is required

Correct Answer: D

[ Question 105 ]

Which of the following options for the kernel's command line changes the systemd boot target to rescue.target instead of the default target?

- A. systemd.target=rescue.target
- B. systemd.runlevel=rescue.target
- C. systemd.service=rescue.target
- D. systemd.default=rescue.target
- E. systemd.unit=rescue.target

Correct Answer: E

[ Question 106 ]

Which of the following kernel parameters instructs the kernel to suppress most boot messages?

- A. silent
- B. verbose=0
- C. nomsg
- D. quiet

Correct Answer: D

[ Question 107 ]

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
- E. yell

Correct Answer: D

[ Question 108 ]

SIMULATION

Which command will display messages from the kernel that were output during the normal boot sequence?

Correct Answer: dmesg -or- /bin/dmesg

[ Question 109 ]

What is the first program that is usually started, at boot time, by the Linux kernel when



using SysV init?

- A. /lib/init.so
- B. /sbin/init
- C. /etc/rc.d/rcinit
- D. /proc/sys/kernel/init
- E. /boot/init

Correct Answer: B

[ Question 110 ]

SIMULATION

Which file in the /proc filesystem lists parameters passed from the bootloader to the kernel? (Specify the file name only without any path.)

Correct Answer: cmdline -or- /proc/cmdline

[ Question 111 ]

What information can the lspci command display about the system hardware? (Choose THREE correct answers.)

- A. Device IRQ settings
- B. PCI bus speed
- C. System battery type
- D. Device vendor identification
- E. Ethernet MAC address

Correct Answer: ABD

[ Question 112 ]

Which of the following commands brings a system running SysV init into a state in which it is safe to perform maintenance tasks? (Choose TWO correct answers.)

- A. shutdown -R 1 now
- B. shutdown -single now
- C. init 1
- D. telinit 1
- E. runlevel 1

Correct Answer: CD

[ Question 113 ]

Which of the following information is stored within the BIOS? (Choose TWO correct answers.)

- A. Boot device order
- B. Linux kernel version
- C. Timezone
- D. Hardware configuration
- E. The system's hostname

Correct Answer: AD

[ Question 114 ]

Which of the following commands reboots the system when using SysV init? (Choose TWO correct answers.)

- A. shutdown -r now
- B. shutdown -r "rebooting"
- C. telinit 6
- D. telinit 0
- E. shutdown -k now "rebooting"

Correct Answer: AC

[ Question 115 ]

Which of the following are init systems used within Linux systems? (Choose THREE correct answers.)

- A. startd
- B. systemd
- C. Upstart
- D. SysInit
- E. SysV init

Correct Answer: BCE

[ Question 116 ]

Which run levels should never be declared as the default run level when using SysV init? (Choose TWO correct answers.)

- A. 0
- B. 1
- C. 3
- D. 5
- E. 6

Correct Answer: AE

[ Question 117 ]

Which of the following statements is correct when talking about /proc/?

- A. All changes to files in /proc/ are stored in /etc/proc.d/ and restored on reboot.
- B. All files within /proc/ are read-only and their contents cannot be changed.
- C. All changes to files in /proc/ are immediately recognized by the kernel.
- D. All files within /proc/ are only readable by the root user.

Correct Answer: C

[ Question 118 ]

What of the following statements are true regarding /dev/ when using udev? (Choose TWO correct answers.)

- A. Entries for all possible devices get created on boot even if those devices are not connected.
- B. Additional rules for udev can be created by adding them to /etc/udev/rules.d/.
- C. When using udev, it is not possible to create block or character devices in /dev/ using mknod.
- D. The /dev/ directory is a filesystem of type tmpfs and is mounted by udev during system startup.
- E. The content of /dev/ is stored in /etc/udev/dev and is restored during system startup.

Correct Answer: BD

[ Question 119 ]

During a system boot cycle, what program is executed after the BIOS completes its tasks?

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

Correct Answer: A

[ Question 120 ]

Which SysV init configuration file 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