Question 1

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?

Options:

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.

Answer:

B

Question 2

What is the process ID number of the init program?

Options:

A- -1

B- 0

C- 1

D- It is different with each reboot.

E- It is set to the current run level.

Answer:

C

Question 3

Question Type: **MultipleChoice**

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

Options:

A- depmod

B- insmod

C- modprobe

D- module_install

E- loadmod

Answer:

C

Question 4

Question Type: FillInTheBlank

Which command will display messages from the kernel that were output during the normal bootup sequence? Answer:

/bin/dmesg

Question 5

Question Type: MultipleChoice

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

Options:

A- The bootloader

B- The inetd program

C- The init program

D- The kernel

Answer:

A

Question 6

Which of the following commands will print important system information such as the kernel version and machine hardware name?

Options:

A- sysinfo

B- uname

C- lspci

D- arch

E- info

Answer:

B

Question 7

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

Options:

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.

Answer:

B

Question 8

Question Type: **MultipleChoice**

Which of the following explanations are valid reasons to run a command in the background of your shell?

Options:

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.

Answer:

B

Question 9

Question Type: **MultipleChoice**

While 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?

Options:
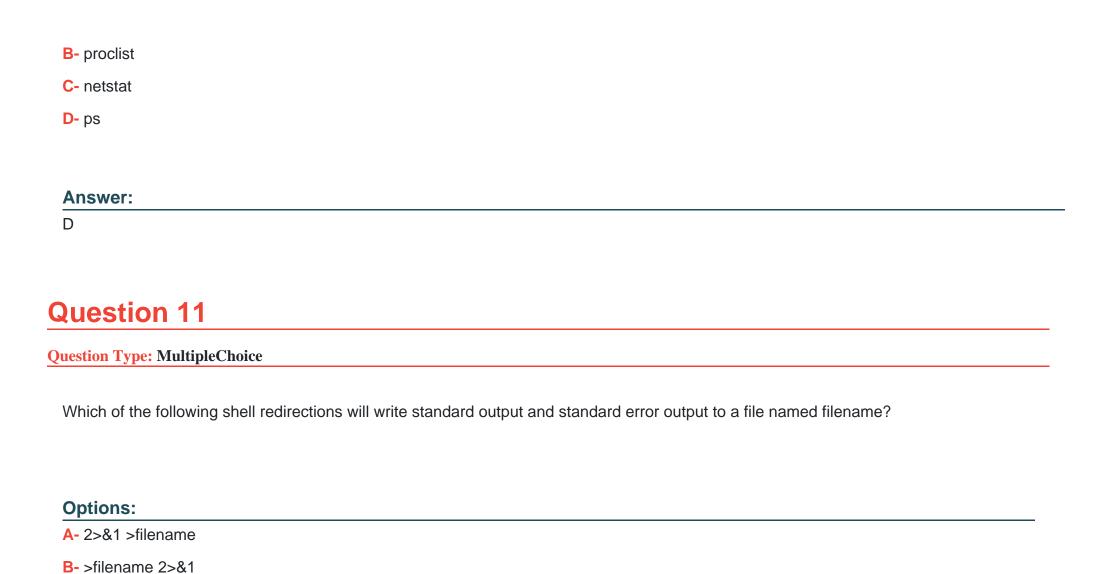
A- :r

B- :n

C- :w

D- :e

Answer:

D

Question 10

Which of the following commands will produce the following output: USERPID %CPU %MEMVSZ RSS TTY STAT STARTTIME COMMAND root 1255 4.4 0.9 6071634824 tty7 Ss+ 09:25 19:04 /usr/bin/X :0 - root 2016 0.0 0.0 792 560 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 624 pts/4 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

Options:

A- jobs

B- proclist

C- netstat

D- ps

Answer:

D

Question 11

Question Type: MultipleChoice

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

Options:

A- 2>&1 >filename

B- >filename 2>&1

C- 1>&2>filename

D- >>filename

E- 1&2>filename

Answer:

B

Question 12

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?

Options:

A- -a

B- -c

C- -no-clobber

D- -continue

Answer:

A