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101-350

LPI Level 1 Exam 101, Junior Level Linux
Certification, Part 1 of 2

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Topic 1, System Architecture

QUESTION NO: 1 CORRECT TEXT

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

Answer: dmesg, /bin/dmesg

QUESTION NO: 2

What 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.

Answer: C

Explanation:

QUESTION NO: 3 CORRECT TEXT

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

Answer: /etc/inittab

QUESTION NO: 4 CORRECT TEXT

Which file in the /proc filesystem lists parameters passed from the bootloader to the kernel?

Answer: cmdline, /proc/cmdline

QUESTION NO: 5

The message "Hard Disk Error" is displayed on the screen during Stage 1 of the GRUB boot

process. What does this indicate?

- A. The 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 Master Boot Record to begin the boot process

Answer: B

Explanation:

QUESTION NO: 6

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

Answer: C

Explanation:

QUESTION NO: 7

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

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

Answer: A

Explanation:

QUESTION NO: 8

You are having some trouble with a disk partition and you need to do maintenance on this partition but your users home directories are on it and several are logged in. Which command would disconnect the users and allow you 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

Answer: A

Explanation:

QUESTION NO: 9 CORRECT TEXT

You suspect that a new ethernet card might be conflicting with another device. Which file should you check within the /proc tree to learn which IRQs are being used by which kernel drivers?

Answer: interrupts, /proc/interrupts

QUESTION NO: 10

Which 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

Answer: C

Explanation:

QUESTION NO: 11

The system is having trouble and the engineer wants to bypass the usual /sbin/init start up and run /bin/sh. What is the usual way to pass this change to the kernel from your boot loader?