

[Updated Constantly]

HERE

## [Introduction to Linux I – Final Exam Answers \(Modules 15 – 27\)](#)

1. Which command is used to create or update the quota database files?
  - quotactl
  - quotadb
  - **quotacheck \***
  - dbquota
2. By default, the edquota command will use which editor?
  - joe
  - emacs
  - gedit
  - **vi \***
3. The quotacheck command creates databases with which names? (choose two)
  - group.quota
  - **aquota.group \***
  - **aquota.user \***
  - user.quota
4. Which directory is the root file system mounted on?
  - /rootfs
  - /root
  - /home
  - **/**
5. In which directory are you most likely to find software from third-party publishers?
  - /usr/local
  - /var/lib
  - /usr/third
  - **/opt \***
6. To activate a swap space that has been initialized, you can execute:
  - swapcontrol
  - **swapon \***
  - swapoff
  - swapctl
7. The first field in the /etc/fstab file is used to specify:

- The filesystem type
  - The mount point
  - The mount options
  - The dump level
  - **The device to mount \***
  - The fsck order
8. **The fifth field in the /etc/fstab file is used to specify:**
- The mount options
  - **The dump level \***
  - The filesystem type
  - The device to mount
  - The mount point
  - The fsck order
9. **The sixth field in the /etc/fstab file is used to specify:**
- The mount point
  - The device to mount
  - The dump level
  - The filesystem type
  - **The fsck order \***
  - The mount options
10. **Which mount option will remount a currently mounted filesystem?**
- mount -o reset
  - mount -o reload
  - mount -o mount
  - **mount -o remount \***
11. **What determines how many files can be stored in a filesystem?**
- **The number of inodes \***
  - The Superblock size
  - The number of data blocks
  - The number of bytes
12. **The number of inodes in a filesystem is:**
- Always the same for every filesystem
  - **Determined when the filesystem is created \***
  - Determined by the filesystem type
  - Something that can be changed at a later date
13. **Which of the following is true about the fsck command?**

- **It should only be executed on unmounted filesystems \***
  - It can only be used to fix ext2 filesystems
  - It can only be used to fix ext3 filesystems
  - It should only be executed on mounted filesystems
14. Which of the following commands will create a soft link from the /tmp/test file to the /tmp/data file?
- ln -s /tmp/data /tmp/test
  - ln /tmp/test /tmp/data
  - **ln -s /tmp/test /tmp/data \***
  - ln /tmp/data /tmp/test
15. Which of the following commands will create a hard link from the /tmp/test file to the /tmp/data file?
- ln -s /tmp/test /tmp/data
  - **ln /tmp/test /tmp/data \***
  - ln -s /tmp/data /tmp/test
  - ln /tmp/data /tmp/test
16. Which value represents the inode number in the following output of the ls -li command: 87589 -rw-r--r-. 2 root root 83 Mar 4 22:45 myhosts
- 83
  - 2
  - 22:45
  - **87589 \***
17. Which value represents the hard link count in the following output of the ls -li command: 87589 -rw-r--r-. 2 root root 83 Mar 4 22:45 myhosts
- 83
  - **2 \***
  - 22:45
  - 87589
18. Which bootloader includes the Secure Boot feature?
- BIOS
  - **UEFI \***
  - LILO
  - GRUB
19. In GRUB Legacy, the \_\_\_\_\_ directive indicates how long to wait before automatically booting the default operating system.
- fallback=

- **timeout= \***
  - password=
  - kernel
20. Which of the following commands can be used to create an encrypted password that can be used with the password directive in GRUB Legacy:
- crypt-md5-grub
  - **grub-md5-crypt \***
  - grub-crypt
  - crypt-grub
21. The first stage of the boot process is:
- **The firmware (BIOS/UEFI) stage \***
  - The init phase
  - The kernel phase
  - The Bootloader (LILO/GRUB) stage
22. The fourth stage of the boot process is:
- **The init phase \***
  - The Bootloader (LILO/GRUB) stage
  - The firmware (BIOS/UEFI) stage
  - The kernel
23. The bootloader (GRUB/LILO) loads which of the following components into memory? (choose two)
- The root filesystem
  - **The kernel \***
  - The init process
  - **The ramdisk \***
24. Which of the following commands can be used to reboot the system? (choose two)
- shutdown
  - halt
  - **reboot \***
  - **shutdown -r \***
25. What two differences are there between querying an installed RPM and an RPM package file with the rpm command? (choose two)
- You must use the full filename when querying the installed RPM.
  - To query the installed RPM, you have to add the -i option.
  - **You must use the full filename when querying the package. \***
  - **To query the package file, you have to add the -p option. \***

26. The rpm2cpio command can be used to: (choose two)
- Create a new “.rpm” file
  - **Extract files from a “.rpm” file \***
  - **List the content of a “.rpm” file \***
  - Build a binary “.rpm” file from a source “.src.rpm” file
27. Which command will remove all files that belong to a Debian package?
- **apt-get purge \***
  - apt-get remove
  - apt-get uninstall
  - apt-get erase
28. Which command will update the list of available packages for APT?
- apt-cache update
  - **apt-get update \***
  - apt-cache upgrade
  - apt-get upgrade
29. Which command may be used to get a list of the installed Debian packages?
- **dpkg -l \***
  - dpkg -L
  - apt-get list
  - apt-get show
30. Which command will show the dependencies of a Debian package?
- apt-cache requires
  - apt-get depends
  - **apt-cache depends \***
  - apt-get requires
31. Which command will show the dependencies of an RPM package?
- rpm -qpd
  - yum provides
  - yum requires
  - **rpm -qpR \***
32. Which two commands will show detailed information about a Debian package?  
(choose two)
- apt-cache info
  - **apt-cache show \***
  - **dpkg -s \***
  - dpkg -i

33. Which command shows the scripts that may be part of a RPM package?
- yum scripts
  - yum info
  - rpm -qs
  - **rpm -q --scripts \***
34. Which command is used to display the shared libraries of a dynamically linked executable?
- **ldd \***
  - ld.so
  - ldlist
  - ldconfig
35. Which option to the df command displays the size of a filesystem in “human readable” format?
- **-h \***
  - -human
  - -g
  - No option will provide this feature
36. You can display current filesystem space usage with the \_\_\_\_\_ command.
- du
  - ls
  - dw
  - **df \***
37. A system that contains Linux as well as a Microsoft Windows operating system is called a:
- This sort of system cannot exist
  - Multi environment system
  - A file base system
  - **Dual boot system \***
38. In what directory are you most likely to find user’s home directories?
- /usr/local
  - **/home \***
  - /var/lib
  - /usr/third
39. Which directory structure has directories which may have heavy activity for services like mail, ftp, httpd and printing?
- /home

- /rootfs
  - /root
  - **/var \***
40. After running `fdisk -cu /dev/sdb`, what `fdisk` command will allow you to change a partition type?
- d
  - f
  - **t \***
  - g
41. After running `fdisk -cu /dev/sdb`, what `fdisk` command will allow you to create a new partition?
- c
  - w
  - **n \***
  - g
42. After running `fdisk -cu /dev/sdb`, what `fdisk` command will allow you to delete a partition?
- r
  - g
  - **d \***
  - s
43. What option to the `fdisk` command is used to utilize sector unit sizes?
- -t
  - -s
  - -usize
  - **-u \***
44. Which `mount` option mounts a filesystem allowing reading only?
- readonly
  - ronly
  - **ro \***
  - rw
45. Which option to the `tune2fs` command will change the space reserved for system use?
- -R
  - **-m \***
  - -M
  - -r

46. Which option to the `dumpe2fs` command will have the command display only superblock information?
- **-h \***
  - -g
  - -d
  - -s
47. The \_\_\_\_\_ command will display how much space a filesystem has free?
- du
  - free
  - **df \***
  - init
48. Which option to the `fsck` command will answer “yes” to all queries?
- **-y \***
  - -n
  - -N
  - -Y
49. Which option to the `fsck` command will answer “no” to all queries?
- -y
  - -Y
  - **-n \***
  - -N
50. Which option to the `fsck` command will allow you to specify the filesystem type?
- **-t \***
  - -F
  - -T
  - -f
51. Missing files don't have their original file names, instead they are named with their \_\_\_\_\_ number?
- device
  - **inode \***
  - UID
  - GID
52. Which type of link can be made to a file on another filesystem, hard or soft?
- **soft \***
  - hard



53. To use an encrypted password in the GRUB Legacy configuration file, use the \_\_\_\_\_ option to the password directive.

- **-md5 \***
- -encrypt
- -secure
- -crypt

54. The primary configuration file for the GRUB 2 on a Fedora system is \_\_\_\_\_.

- **/boot/grub2/grub.cfg \***
- /boot/grub/grub2.cfg
- /boot/grub2.cfg
- /boot/grub/grub.cfg

55. Which runlevel number is defined as “user-definable”?

- 6
- 5
- 3
- 1
- 2
- 0
- **4 \***

56. Which runlevel number defines halting the system?

- 5
- 3
- 4
- **0 \***
- 2
- 6
- 1

57. The first process that the kernel launches is called the \_\_\_\_\_ process.

- **init \***
- kernel
- sys
- startx

58. On a Ubuntu system, what variable defines the default runlevel in the /etc/init/rc-sysinit.conf file?

- **DEFAULT\_RUNLEVEL \***
- DEFAULT

- RUNLEVEL
  - RUN
59. What are the correct options for the rpm command to display a list of all installed packages?
- **-qa \***
  - -a
  - -qall
  - -b
60. Which environment variable can a user set, that will affect where shared libraries can be located and loaded?
- LIBRARY\_PATH
  - LIBRARY\_LD\_PATH
  - LD\_PATH
  - **LD\_LIBRARY\_PATH \***
61. Which of the following are benefits of a shared library: (choose two)
- Programs run faster
  - **Programs can be smaller \***
  - Programs run slower
  - **Programs use a more consistent base of code \***
62. Which of the following will find and load shared libraries when a program is executed?
- The scheduler
  - **The dynamic linker \***
  - The kernel
  - The init process
63. Which of the following contents is in the ldconfig configuration file by default?
- include all
  - include /etc/ldconfig
  - include ldconfig
  - **include ld.so.conf.d/\*.conf \***
64. Which command is used to view the services that are set to start or stop automatically?
- config
  - **chkconfig \***
  - lsconfig
  - initconfig
65. Which of the following is not a daemon used for logging?

- klogd
- **ilogd \***
- rsyslogd
- syslogd

66. What is the maximum memory that a 64 bit processor can theoretically use?

- **16 EiB \***
- 8 GiB
- 2 GiB
- 4 GiB

67. Which of the following is not a characteristic of firmware?

- **Change runlevels \***
- Tests the components upon startup
- Typically stored in ROM
- Change settings to affect the use of external devices

68. Which of the following resources are used by devices to communicate with the system?

- IO Channels, IO Memory, Interrupts and DMA Ports
- **IO Ports, IO Memory, Interrupts, and DMA Channels \***
- IO Ports, IO Memory, Signals and DMA Channels
- IO Ports, RAM, Interrupts and DMA Channels

69. Interrupts cannot be shared between devices.

True or False?

- True
- **False \***

70. Which option of the lspci command would you use to troubleshoot a network interface card?

- -r
- -t
- **-nn \***
- -a