➢ **Vendor: LPI**

➢ **Exam Code: 101-400**

➢ **Exam Name: LPIC-1 Exam 101**

➢ **Question 1 -- Question 30**

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**QUESTION 1**
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

**Answer:** CD

**QUESTION 2**
Which of the following commands lists all currently installed packages when using RPM package management?

A.   yum --query --all
B.   yum --list --installed
C.   rpm --query --all
D.   rpm --list -installed

**Answer:** C

**QUESTION 3**
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

**Answer:** B

**QUESTION 4**
What is the name of the main configuration file for GNU GRUB? (Specify the file name only without any path.)

**Answer:**
menu.lst, grub.conf, grub.cfg

**QUESTION 5**
When removing a package, which of the following dpkg options will completely remove the files including configuration files?

  A.  --clean
  B.  --delete
  C.  --purge
  D.  --remove

**Answer:** C

**QUESTION 6**
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

**Answer:** D

**QUESTION 7**
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.

**Answer:** B

**QUESTION 8**
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

**Answer:** D

### QUESTION 9
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
```

**Answer:**
HUP, SIGHUP, 1

### QUESTION 10
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

**Answer:** B

### QUESTION 11
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)

**Answer:** C

### QUESTION 12
A user accidentally created the subdirectory \dir in his home directory. Which of the following commands will remove that directory?

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

**Answer:** E

### QUESTION 13
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

**Answer:** A

## QUESTION 14
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

**Answer:** D

## QUESTION 15
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.

**Answer:** D

## QUESTION 16
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

**Answer:** C

## QUESTION 17
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. &<

**Answer:** A

**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

**Answer:** A

**QUESTION 19**
Which Bash environment variable defines in which file the user history is stored when exiting a Bash process? (Specify ONLY the variable name.)

**Answer:**
HISTFILE

**QUESTION 20**
Which of the following commands displays the contents of a gzip compressed tar archive?

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

**Answer:** B

**QUESTION 21**
Which grep command will print only the lines that do not end with a / in the file foo?

A. grep '/$' foo
B. grep '/#' foo
C. grep -v '/$' foo
D. grep -v '/#' foo

**Answer:** C

**QUESTION 22**
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

**Answer:** B

**QUESTION 23**
Which of the following commands replaces each occurrence of 'bob' in the file letter with 'Bob' and writes the result to the file newletter?

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. sed 's/bob, Bob/' letter > newletter

**Answer:** D

**QUESTION 24**
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

**Answer:** AB

**QUESTION 25**
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.

**Answer:** B

**QUESTION 26**
Which shell command is used to continue background execution of a suspended command?

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

**Answer:** B

**QUESTION 27**
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

**Answer:** B

**QUESTION 28**
In the vi editor, which of the following commands will copy the current line into the vi buffer?

A. c
B. cc
C. 1c
D. yy
E. 1y

**Answer:** D

**QUESTION 29**
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

**Answer:** AD

**QUESTION 30**
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

**Answer:** C

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