

**102-400**

Number: 102-400  
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102-400



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**Sections**

1. Shells, Scripting and Data Management
2. User Interfaces and Desktops
3. Administrative Tasks
4. Essential System Services
5. Networking Fundamentals
6. Security

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## Exam A

### QUESTION 1

What output will the following command sequence produce?

```
echo '1 2 3 4 5 6' | while read a b c; do  
    echo result: $c $b $a;  
done
```



- A. result: 3 4 5 6 2 1
- B. result: 1 2 3 4 5 6
- C. result: 6 5 4
- D. result: 6 5 4 3 2 1
- E. result: 3 2 1

**Correct Answer:** A

**Section:** Shells, Scripting and Data Management

**Explanation**

**Explanation/Reference:**

### QUESTION 2

Which command makes the shell variable named VARIABLE visible to subshells?

- A. export \$VARIABLE
- B. export VARIABLE
- C. set \$VARIABLE
- D. set VARIABLE
- E. env VARIABLE

**Correct Answer: B**

**Section: Shells, Scripting and Data Management**

**Explanation**

**Explanation/Reference:**

### **QUESTION 3**

What output will the command `seq 10` produce?

- A. A continuous stream of numbers increasing in increments of 10 until stopped.
- B. The numbers 1 through 10 with one number per line.
- C. The numbers 0 through 9 with one number per line.
- D. The number 10 to standard output.

**Correct Answer: B**

**Section: Shells, Scripting and Data Management**

**Explanation**

**Explanation/Reference:**

### **QUESTION 4**

After issuing:

```
function myfunction { echo $1 $2 ; }
```

in Bash, which output does:

```
myfunction A B C
```

produce?

- A. A B
- B. A B C
- C. A C
- D. B C
- E. C B A

**Correct Answer: A**

## Section: Shells, Scripting and Data Management

### Explanation

#### Explanation/Reference:

### QUESTION 5

Which of the following commands puts the output of the command `date` into the shell variable `mydate`?

- A. `mydate="$(date)"`
- B. `mydate="exec date"`
- C. `mydate="$((date))"`
- D. `mydate="date"`
- E. `mydate="${date}"`

**Correct Answer: A**

## Section: Shells, Scripting and Data Management

### Explanation

#### Explanation/Reference:

### QUESTION 6

What is the difference between the commands `test -e path` and `test -f path`?

- A. They are equivalent options with the same behaviour.
- B. The `-f` option tests for a regular file. The `-e` option tests for an empty file.
- C. Both options check the existence of the path. The `-f` option also confirms that it is a regular file.
- D. The `-f` option tests for a regular file. The `-e` option tests for an executable file.

**Correct Answer: C**

## Section: Shells, Scripting and Data Management

### Explanation

#### Explanation/Reference:

### QUESTION 7

When the command `echo $$` outputs `12942`, what is the meaning of `12942`?

- A. It is the process ID of the echo command.
- B. It is the process ID of the current shell.
- C. It is the process ID of the last command executed.
- D. It is the process ID of the last command which has been placed in the background.

**Correct Answer:** B

**Section:** Shells, Scripting and Data Management

**Explanation**

**Explanation/Reference:**

### QUESTION 8

What output will the following command produce?

```
seq 1 5 20
```

- A. 1  
6  
1  
1  
1  
6
- B. 1  
5  
10  
15
- C. 1  
2  
3  
4
- D. 2  
3  
4  
5
- E. 5  
10  
15  
20

**Correct Answer:** A

**Section:** Shells, Scripting and Data Management

**Explanation**

**Explanation/Reference:**

#### **QUESTION 9**

Which of the following commands lists all defined variables and functions within Bash?

- A. env
- B. set
- C. env -a
- D. echo \$ENV

**Correct Answer:** B

**Section:** Shells, Scripting and Data Management

**Explanation**

**Explanation/Reference:**

#### **QUESTION 10**

What is the purpose of the file `/etc/profile`?

- A. It contains the welcome message that is displayed after login.
- B. It contains security profiles defining which users are allowed to log in.
- C. It contains environment variables that are set when a user logs in.
- D. It contains default application profiles for users that run an application for the first time.

**Correct Answer:** C

**Section:** Shells, Scripting and Data Management

**Explanation**

**Explanation/Reference:**

#### **QUESTION 11**

Which of the following are requirements in order to run a shell script like a regular command from anywhere in the filesystem? (Choose three.)

- A. The user issuing the command must be in the group script.
- B. The script file must be found in the \$PATH.
- C. The script file must have the executable permission bit set.
- D. The script must begin with a shebang-line (!) that points to the correct interpreter.
- E. The file system on which the script resides must be mounted with the option scripts.

**Correct Answer:** BCD

**Section:** Shells, Scripting and Data Management

**Explanation**

**Explanation/Reference:**

#### **QUESTION 12**

Which file used by XDM specifies the default wallpaper?

- A. /etc/X11/xdm/Xsetup
- B. /etc/X11/xdm.conf
- C. /etc/X11/xdm/Defaults
- D. /etc/X11/defaults.conf

**Correct Answer:** A

**Section:** User Interfaces and Desktops

**Explanation**

**Explanation/Reference:**

#### **QUESTION 13**

The X11 configuration file xorg.conf is grouped into sections. How is the content of the section SectionName associated with that section?

- A. It is placed in curly brackets as in `Section SectionName { ... }`.
- B. It is placed between a line containing `Section "SectionName"` and a line containing `EndSection`.
- C. It is placed between the tags `<Section name="SectionName">` and `</Section>`
- D. It is placed after the row `[SectionName]`.
- E. It is placed after an initial unindented `Section "SectionName"` and must be indented by exactly one tab character.

**Correct Answer:** B

**Section: User Interfaces and Desktops**

**Explanation**

**Explanation/Reference:**

**QUESTION 14**

What is the purpose of a screen reader?

- A. It reads text displayed on the screen to blind or visually impaired people.
- B. It reads the parameters of the attached monitors and creates an appropriate X11 configuration.
- C. It displays lines and markers to help people use speed reading techniques.
- D. It manages and displays files that contain e-books.

**Correct Answer: A**

**Section: User Interfaces and Desktops**

**Explanation**

**Explanation/Reference:**

**QUESTION 15**

How is a display manager started?

- A. It is started by a user using the command startx.
- B. It is started like any other system service by the init system.
- C. It is started by inetd when a remote hosts connects to the X11 port.
- D. It is started automatically when a X11 user logs in to the system console.

**Correct Answer: B**

**Section: User Interfaces and Desktops**

**Explanation**

**Explanation/Reference:**

**QUESTION 16**

Which of the following commands shows the current color depth of the X Server?

- A. xcd



- B. xcdepth
- C. xwininfo
- D. xcolordepth
- E. cat /etc/X11

**Correct Answer: C**

**Section: User Interfaces and Desktops**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 17**

Which of the following are tasks handled by a display manager like XDM or KDM? (Choose two.)

- A. Start and prepare the desktop environment for the user.
- B. Configure additional devices like new monitors or projectors when they are attached.
- C. Handle the login of a user.
- D. Lock the screen when the user was inactive for a configurable amount of time.
- E. Create an X11 configuration file for the current graphic devices and monitors.

**Correct Answer: AC**

**Section: User Interfaces and Desktops**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 18**

Which of the following steps prevents a user from obtaining an interactive login session?

- A. Run the command `chsh -s /bin/false` with the user name.
- B. Set the UID for the user to 0.
- C. Remove the user from the group staff.
- D. Add the user to `/etc/noaccess`.
- E. Create a `.nologin` file in the user's home directory.

**Correct Answer: A**

**Section: Administrative Tasks**

### Explanation

Explanation/Reference:

### QUESTION 19

Which character in the password field of `/etc/passwd` is used to indicate that the encrypted password is stored in `/etc/shadow`?

- A. \*
- B. -
- C. s
- D. x

**Correct Answer:** D

**Section:** Administrative Tasks

### Explanation

Explanation/Reference:

### QUESTION 20

Which of the following fields are available in both the global `/etc/crontab` file as well as in user-specific `crontab` files? (Select TWO correct answers)

- A. Year
- B. Minute
- C. Username
- D. Command

**Correct Answer:** BD

**Section:** Administrative Tasks

### Explanation

Explanation/Reference:

### QUESTION 21

Which command can be used to delete a group from a Linux system?

- A. `groupdel`

- B. groupmod
- C. groups
- D. groupedit

**Correct Answer: A**

**Section: Administrative Tasks**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 22**

What is the purpose of the `iconv` command?

- A. It converts bitmap images from one format to another such as PNG to JPEG.
- B. It verifies that the root directory tree complies to all conventions from the Filesystem Hierarchy Standard (FHS).
- C. It displays additional meta information from icon files ending in `.ico`.
- D. It changes the mode of an inode in the ext4 file system.
- E. It converts files from one character encoding to another.

**Correct Answer: E**

**Section: Administrative Tasks**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 23**

In case neither `cron.allow` nor `cron.deny` exist in `/etc/`, which of the following is true?

- A. Without additional configuration, no users may have user specific crontabs.
- B. Without additional configuration, all users may have user specific crontabs.
- C. The cron daemon will refuse to start and report missing files in the system's logfile.
- D. When a user creates a user specific crontab the system administrator must approve it explicitly.

**Correct Answer: A**

**Section: Administrative Tasks**

**Explanation**

**Explanation/Reference:**

**QUESTION 24**

Which of the following commands can remove a user from a group?

- A. grouprm
- B. groupmod
- C. passwd
- D. usergroups
- E. usermod

**Correct Answer: E**

**Section: Administrative Tasks**

**Explanation**

**Explanation/Reference:**

**QUESTION 25**

Where are user specific crontabs stored?

- A. In the database file `/etc/crontab.db` which is shared by all users.
- B. As individual per-user files within `/var/spool/cron`.
- C. As individual per-user files in `/etc/cron.user.d`.
- D. In the `.crontab` file in the user's home directory.
- E. In the file `/var/cron/user-crontab` which is shared by all users.

**Correct Answer: B**

**Section: Administrative Tasks**

**Explanation**

**Explanation/Reference:**

**QUESTION 26**

Which file contains the date of the last change of a user's password?

- A. `/etc/gshadow`

- B. `/etc/passwd`
- C. `/etc/pwdlog`
- D. `/etc/shadow`
- E. `/var/log/shadow`

**Correct Answer: D**

**Section: Administrative Tasks**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 27**

Each entry in a `crontab` must end with what character?

- A. Tab
- B. Space
- C. Backslash
- D. Newline

**Correct Answer: D**

**Section: Administrative Tasks**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 28**

To prevent a specific user from scheduling tasks with `at`, what should the administrator do?

- A. Add the specific user to `/etc/at.allow` file.
- B. Add the specific user to `[deny]` section in the `/etc/atd.conf` file.
- C. Add the specific user to `/etc/at.deny` file.
- D. Add the specific user to `nojobs` group.
- E. Run the following: `atd --deny [user]`.

**Correct Answer: C**

**Section: Administrative Tasks**

**Explanation**

**Explanation/Reference:**

**QUESTION 29**

Which of the following files assigns a user to its primary group?

- A. /etc/pgroup
- B. /etc/shadow
- C. /etc/group
- D. /etc/passwd
- E. /etc/gshadow

**Correct Answer: D**

**Section: Administrative Tasks**

**Explanation**

**Explanation/Reference:**

**QUESTION 30**

Which of the following commands should be added to `/etc/bash_profile` in order to change the language of messages for an internationalized program to Portuguese (pt)?

- A. `export LANGUAGE="pt"`
- B. `export MESSAGE="pt"`
- C. `export UI_MESSAGES="pt"`
- D. `export LC_MESSAGES="pt"`
- E. `export ALL_MESSAGES="pt"`

**Correct Answer: D**

**Section: Administrative Tasks**

**Explanation**

**Explanation/Reference:**

**QUESTION 31**

Which commands can be used to change a user's account aging information? (Choose three.)

- A. usermod
- B. passwd
- C. chattr
- D. chage
- E. chsh

**Correct Answer:** ABD

**Section:** Administrative Tasks

**Explanation**

**Explanation/Reference:**

### QUESTION 32

What is NOT contained in the locale setting of the operating system?

- A. currency symbol
- B. language
- C. timezone
- D. thousands separator

**Correct Answer:** C

**Section:** Administrative Tasks

**Explanation**

**Explanation/Reference:**

### QUESTION 33

What is true regarding the command `userdel --force --remove bob`? (Choose two.)

- A. The user bob is removed from the system's user database.
- B. The user bob's home directory is removed.
- C. The locate database is updated to drop files owned by bob.
- D. All files owned by bob are removed from all mounted filesystems.
- E. In case bob was the last member of a group, that group is deleted.

**Correct Answer:** AB

**Section: Administrative Tasks**

**Explanation**

**Explanation/Reference:**

**QUESTION 34**

Which of the following fields can be found in the `/etc/group` file? (Choose three.)

- A. The list of users that belong to the group.
- B. The home directory of the group.
- C. The name of the group.
- D. The description of the group.
- E. The password of the group.

**Correct Answer:** ACE

**Section: Administrative Tasks**

**Explanation**

**Explanation/Reference:**

**QUESTION 35**

Which of the following tasks can be accomplished using the command `date`? (Choose two.)

- A. Synchronize the hardware and system clocks.
- B. Output date and time in different formats.
- C. Set the system clock.
- D. Set the hardware clock.
- E. Update the time via NTP.

**Correct Answer:** BC

**Section: Essential System Services**

**Explanation**

**Explanation/Reference:**

**QUESTION 36**



Which of the following are syslog facilities? (Choose two.)

- A. local7
- B. mail
- C. advanced
- D. postmaster
- E. remote

**Correct Answer:** AB

**Section:** Essential System Services

**Explanation**

**Explanation/Reference:**

### QUESTION 37

What is the purpose of the command `mailq`?

- A. It fetches new emails from a remote server using POP3 or IMAP.
- B. It is a multi-user mailing list manager.
- C. It is a proprietary tool contained only in the qmail MTA.
- D. It queries the mail queue of the local MTA.
- E. It is a command-line based tool for reading and writing emails.

**Correct Answer:** D

**Section:** Essential System Services

**Explanation**

**Explanation/Reference:**

### QUESTION 38

Why is the correct configuration of a system's time zone important?

- A. Because the conversion of Unix timestamps to local time relies on the time zone configuration.
- B. Because the time zone is saved as part of the modification times of files and cannot be changed after a file is created.
- C. Because the environment variables `LANG` and `LC_MESSAGES` are, by default, set according to the time zone.
- D. Because NTP chooses servers nearby based on the configured time zone.

**Correct Answer:** A  
**Section:** Essential System Services  
**Explanation**

**Explanation/Reference:**

**QUESTION 39**

Which of the following parameters are used for `journalctl` to limit the time frame of the output? (Choose two.)

- A. --from=
- B. --since=
- C. --until=
- D. --upto=
- E. --date=

**Correct Answer:** BC  
**Section:** Essential System Services  
**Explanation**

**Explanation/Reference:**

**QUESTION 40**

Which of the following are commonly used Mail Transfer Agent (MTA) applications? (Choose three.)

- A. Postfix
- B. Procmail
- C. Sendmail
- D. Exim
- E. SMTPd

**Correct Answer:** ACD  
**Section:** Essential System Services  
**Explanation**

**Explanation/Reference:**

**QUESTION 41**

Which of the following is observed and corrected by a NTP client?

- A. The skew in time between the system clock and the hardware clock.
- B. The skew in time between the system clock and the reference clock.
- C. Changes in the time zone of the current computer's location.
- D. Adjustments needed to support Daylight Saving Time.

**Correct Answer:** B

**Section:** Essential System Services

**Explanation**

**Explanation/Reference:**

**QUESTION 42**

Which of the following is a legacy program provided by CUPS for sending files to the printer queues on the command line?

- A. lpd
- B. lpp
- C. lpq
- D. lpr

**Correct Answer:** D

**Section:** Essential System Services

**Explanation**

**Explanation/Reference:**

**QUESTION 43**

What is true about the `ntpd` command?

- A. It is the primary management command for the NTP time server.
- B. It updates the local system's date (i.e. day, month and year) but not the time (i.e. hours, minutes, seconds).
- C. It queries one or more NTP time servers and adjusts the system time accordingly.
- D. It sends the local system time to one or many remote NTP time servers for redistribution.
- E. It can be used by any user to set the user clock independently of the system clock.

**Correct Answer: C**

**Section: Essential System Services**

**Explanation**

**Explanation/Reference:**

**QUESTION 44**

Which of the following commands is used to rotate, compress, and mail system logs?

- A. `rotatelog`
- B. `striplog`
- C. `syslogd --rotate`
- D. `logrotate`
- E. `logger`

**Correct Answer: D**

**Section: Essential System Services**

**Explanation**

**Explanation/Reference:**

**QUESTION 45**

What is the purpose of the `nsswitch.conf` file?

- A. It is used to configure where the C library looks for system information such as host names and user passwords.
- B. It is used to configure network protocol port numbers such as for HTTP or SMTP.
- C. It is used to configure LDAP authentication services for the local system.
- D. It is used to configure which network services will be turned on during the next system boot.

**Correct Answer: A**

**Section: Networking Fundamentals**

**Explanation**

**Explanation/Reference:**

**QUESTION 46**

Which of the following details is NOT provided in any output from the `netstat` utility?

- A. broadcast services
- B. interface statistics
- C. masquerading connections
- D. network connections
- E. routing tables

**Correct Answer:** A

**Section:** Networking Fundamentals

**Explanation**

**Explanation/Reference:**

#### **QUESTION 47**

Which of the following commands can be used to display the local routing table? (Choose two.)

- A. ifconfig
- B. dig
- C. netstat
- D. route
- E. trackroute

**Correct Answer:** CD

**Section:** Networking Fundamentals

**Explanation**

**Explanation/Reference:**

#### **QUESTION 48**

Which of the following is true about IPv6?

- A. With IPv6, the TCP port numbers of most services have changed.
- B. IPv6 no longer supports broadcast addresses.
- C. IPv4 addresses can be used without any change with IPv6.
- D. IPv6 no longer supports multicast addresses.
- E. For IPv6, UDP and TCP have been replaced by the Rapid Transmission Protocol RTP.

**Correct Answer: B**  
**Section: Networking Fundamentals**  
**Explanation**

**Explanation/Reference:**

#### **QUESTION 49**

What is true regarding a default route?

- A. The default route is always used first. When the default route is not available more specific routes are tried.
- B. When a default route is set, all other routes are disabled until the default route is deleted.
- C. The default route is only used if there is not a more specific route to a destination host or network.
- D. Without a default route, no network communication even in directly attached networks is possible.

**Correct Answer: C**  
**Section: Networking Fundamentals**  
**Explanation**

**Explanation/Reference:**

#### **QUESTION 50**

Which of the following lines are valid in the file `/etc/hosts`? (Choose two.)

- A. `2001:db8::15`                      `www.example.com`    `www`
- B. `www.example.com`                      `www`                      `203.0.13.15`
- C. `203.0.113.15`                      `www.example.com`    `www`
- D. `www.example.com, www`                      `203.0.13.15, 2001:db8::15`
- E. `2003.0.113.15, 2001:db8::15`    `www.example.com`    `www`

**Correct Answer: AC**  
**Section: Networking Fundamentals**  
**Explanation**

**Explanation/Reference:**

#### **QUESTION 51**

Which of the following may occur as a consequence of using the command `ifconfig`? (Choose three.)

- A. New name servers may be added to the resolver configuration.
- B. Network interfaces may become active or inactive.
- C. The routing table may change.
- D. IP addresses may change.
- E. The system's host name may change.

**Correct Answer:** BCD

**Section:** Networking Fundamentals

**Explanation**

**Explanation/Reference:**

#### **QUESTION 52**

What is true regarding TCP port 23?

- A. Port 23 is the well known port for the telnet service which is a plain text protocol that should no longer be used.
- B. Port 23 is the well known port for the SSH service which provides secure logins.
- C. Port 23 is the well known port for the rlogin service which is SSL secured by default.
- D. Port 23 is the well known port for the system login services which are encrypted when the user runs the starttls command in his login shell.

**Correct Answer:** A

**Section:** Networking Fundamentals

**Explanation**

**Explanation/Reference:**

#### **QUESTION 53**

Which of the following statements is valid in the file `/etc/nsswitch.conf`?

- A. multi on
- B. 192.168.168.4 dns-server
- C. hosts: files dns
- D. include `/etc/nsswitch.d/`

**Correct Answer:** C

**Section:** Networking Fundamentals

### **Explanation**

**Explanation/Reference:**

### **QUESTION 54**

Which of the following IPv4 networks are reserved by IANA for private address assignment and private routing? (Choose three.)

- A. 127.0.0.0/8
- B. 10.0.0.0/8
- C. 169.255.0.0/16
- D. 172.16.0.0/12
- E. 192.168.0.0/16

**Correct Answer:** BDE

**Section: Networking Fundamentals**

### **Explanation**

**Explanation/Reference:**

### **QUESTION 55**

Which of the following tools used for DNS debugging, reports not only the response from the name server but also details about the query?

- A. dnsq
- B. dig
- C. hostname
- D. dnslookup
- E. zoneinfo

**Correct Answer:** B

**Section: Networking Fundamentals**

### **Explanation**

**Explanation/Reference:**

### **QUESTION 56**

Which of the following programs can be used to determine the routing path to a given destination?



- A. dig
- B. netstat
- C. ping
- D. route
- E. traceroute

**Correct Answer: E**

**Section: Networking Fundamentals**

**Explanation**

**Explanation/Reference:**

#### QUESTION 57

Given the following routing table:

Kernel IP routing table							
Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
0.0.0.0	192.168.178.1	0.0.0.0	UG	0	0	0	wlan0
192.168.1.0	0.0.0.0	255.255.255.0	U	0	0	0	eth0
192.168.2.0	192.168.1.1	255.255.255.0	U	0	0	0	eth0
192.168.178.0	0.0.0.0	255.255.255.0	U	9	0	0	wlan0

How would an outgoing packet to the destination 192.168.2.150 be handled?

- A. It would be passed to the default router 192.168.178.1 on wlan0.
- B. It would be directly transmitted on the device eth0.
- C. It would be passed to the default router 255.255.255.0 on eth0.
- D. It would be directly transmitted on the device wlan0.
- E. It would be passed to the router 192.168.1.1 on eth0.

**Correct Answer: E**

**Section: Networking Fundamentals**

**Explanation**

**Explanation/Reference:**

#### QUESTION 58

Which of the following is a valid IPv6 address?

- A. 2001:db8:3241::1
- B. 2001::db8:4581::1
- C. 2001:db8:0g41::1
- D. 2001%db8%9990%%1
- E. 2001.db8.819f..1

**Correct Answer:** A

**Section:** Networking Fundamentals

**Explanation**

**Explanation/Reference:**

#### **QUESTION 59**

Which of the following keywords can be used in the file `/etc/resolv.conf`? (Choose two.)

- A. substitute
- B. nameserver
- C. search
- D. lookup
- E. method

**Correct Answer:** BC

**Section:** Networking Fundamentals

**Explanation**

**Explanation/Reference:**

#### **QUESTION 60**

On a regular users workstation the route command takes a long time before printing out the routing table. Which of the following errors does that indicate?

- A. The local routing information may be corrupted and must be re-validated using a routing protocol.
- B. One of the routers in the routing table is not available which causes the automatic router failure detection mechanism (ARF-D) to wait for a timeout.
- C. There may accidentally be more than one default router in which case a default router election has to be done on the network in order to choose one router as the default.
- D. DNS resolution may not be working as route by default tries to resolve names of routers and destinations and may run into a timeout.

**Correct Answer:** D

**Section: Networking Fundamentals****Explanation****Explanation/Reference:****QUESTION 61**

Which configuration file would be edited to change the default options for outbound SSH sessions?

- A. /etc/ssh/sshd\_config
- B. /etc/ssh/ssh
- C. /etc/ssh/client
- D. /etc/ssh/ssh\_config
- E. /etc/ssh/ssh\_client

**Correct Answer: D**

**Section: Security****Explanation****Explanation/Reference:****QUESTION 62**

Which command is used to set restrictions on the size of a core file that is created for a user when a program crashes?

- A. core
- B. edquota
- C. ulimit
- D. quota

**Correct Answer: C**

**Section: Security****Explanation****Explanation/Reference:****QUESTION 63**

When trying to unmount a device it is reported as being busy. Which of the following commands could be used to determine which process is causing this?

- A. debug
- B. lsof
- C. nessus
- D. strace
- E. traceroute

**Correct Answer: B**

**Section: Security**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 64**

Which configuration file would be edited to change default options for the OpenSSH server?

- A. /etc/ssh/sshd\_config
- B. /etc/ssh/ssh
- C. /etc/ssh/server
- D. /etc/ssh/ssh\_config
- E. /etc/ssh/ssh\_server

**Correct Answer: A**

**Section: Security**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 65**

What is a purpose of an SSH host key?

- A. It must be sent by any SSH client in addition to a user key in order to identify the client's host.
- B. It provides the server's identity information to connecting SSH clients.
- C. It is the root key by which all user SSH keys must be signed.
- D. It authenticates any user that logs into a remote machine from the key's host.
- E. It is used by system services like cron, syslog or a backup job to automatically connect to remote hosts.

**Correct Answer: B**

**Section: Security**

**Explanation**

**Explanation/Reference:**

**QUESTION 66**

Which of the following commands can be used to limit the amount of memory a user may use?

- A. umask
- B. usermod
- C. ulimit
- D. passwd
- E. chage

**Correct Answer: C**

**Section: Security**

**Explanation**

**Explanation/Reference:**