

010-160.VCEplus.premium.exam.40q

Number: 010-160
Passing Score: 800
Time Limit: 120 min
File Version: 1.0



Website: <https://vceplus.com>

VCE to PDF Converter: <https://vceplus.com/vce-to-pdf/>

Facebook: <https://www.facebook.com/VCE.For.All.VN/>

Twitter : https://twitter.com/VCE_Plus

010-160

Linux Essentials Certificate Exam, version 1.6



Exam A

QUESTION 1

What are the differences between hard disk drives and solid state disks? (Choose two correct answers.)

- A. Hard disks have a motor and moving parts, solid state disks do not.
- B. Hard disks can fail due to physical damage, while solid state disks cannot fail.
- C. Solid state disks can store many times as much data as hard disk drives.
- D. `/dev/sda` is a hard disk device while `/dev/ssda` is a solid state disk.
- E. Solid state disks provide faster access to stored data than hard disks.

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

Reverse DNS assigns hostnames to IP addresses. How is the name of the IP address 198.51.100.165 stored on a DNS server?

- A. In the A record for `165.100.51.198.ipv4.arpa.`
- B. In the PTR record for `165.100.51.198.in-addr.arpa.`
- C. In the RNAME record for `198-51-100-165.rev.arpa.`
- D. In the ARPA record for `165.100.51.198.rev.`
- E. In the REV record for `arpa.in-addr.198.51.100.165.`

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

Which of the following types of bus can connect hard disk drives with the motherboard?

- A. The RAM bus
- B. The NUMA bus
- C. The CPU bus
- D. The SATA bus
- E. The Auto bus

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

Members of a team already have experience using Red Hat Enterprise Linux. For a small hobby project, the team wants to set up a Linux server without paying for a subscription. Which of the following Linux distributions allows the team members to apply as much of their Red Hat Enterprise Linux knowledge as possible?

- A. Ubuntu Linux LTS

- B. Raspbian
- C. Debian GNU/Linux
- D. CentOS
- E. openSUSE

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5 What information can be displayed by `top`?

- A. Existing files, ordered by their size.
- B. Running processes, ordered by CPU or RAM consumption.
- C. User accounts, ordered by the number of logins.
- D. User groups, ordered by the number of members.
- E. User accounts, ordered by the number of files.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6 Which of the following commands can be used to resolve a DNS name to an IP address?

- A. `dnsname`
- B. `dns`
- C. `query`
- D. `host`
- E. `iplookup`

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7 Which of the following outputs comes from the

command `free`? A.

```
A. 21:04:15 up 14 days, 7:43, 3 users, load average: 0.89, 1.00, 0.99
avg-cpu:  %user   %nice   %system  %iowait  %steal   %idle
           34.04    0.03    13.88    1.06    0.00    50.99

Filesystem            Size      Used      Avail   Use%   Mounted
on
/dev/mapper/vg_ssd-  25G       20G       3.6G    85%    /
root
```

B. C.

```
1.8M    /tmp
total    used    free    shared  buff/cache  available
Mem:  16123128 12565680 2011624 412128   1545824   7180416
```

D. E.

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:



QUESTION 8 What is true about the `dmesg` command? (Choose two correct answers.)

- A. It traces the execution of a command and shows each step the program carries out.
- B. It sends messages to the command lines of all current user sessions.
- C. It displays the content of the Linux kernel's ring buffer.
- D. It immediately outputs all new messages written to the system journal.
- E. It might not display older information because it was overwritten by newer information.

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9

Which of the following outputs could stem from the command `last`?

- A. 1 `ls`
2 `cat text.txt`

- 3 logout
- B. Password for user last changed at Sat Mar 31 16:38:57 EST 2018
- C. Last login: Fri Mar 23 10:56:39 2018 from server.example.com
- D. EXT4-fs (dm-7): mounted filesystem with ordered data mode. Opts: (null)
- E. root tty2 Wed May 17 21:11 - 21:11 (00:00)

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10 What is the UID of the user root?

- A. 1
- B. -1
- C. 255
- D. 65536
- E. 0

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:



QUESTION 11 Which permissions are set on a regular file once the permissions have been modified with the command `chmod 654 file.txt`?

- A. `drw-r-xr--`
- B. `d-wxr-x--`
- C. `-wxr-x--x`
- D. `-rwxrw---x`
- E. `-rw-r-xr--`

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12 What is true about the owner of a file?

- A. Each file is owned by exactly one user and one group.
- B. The owner of a file always has full permissions when accessing the file.
- C. The user owning a file must be a member of the file's group.
- D. When a user is deleted, all files owned by the user disappear.
- E. The owner of a file cannot be changed once it is assigned to an owner.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13 Which of the following permissions are set on the `/tmp/` directory?

- A. `rwXrwxrwt`
- B. `-----rwx`
- C. `rwSrwx-rwD`
- D. `rwXrws---`
- E. `r-xr-X--t`

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14 Which command adds the new user `tux` and creates the user's home directory with default configuration files?

- A. `defaultuser tux`
- B. `useradd -m tux`
- C. `usercreate tux`
- D. `useradd -o default tux`
- E. `passwd -a tux`

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15 What information is stored in `/etc/passwd`? (Choose three correct answers.)

- A. The user's storage space limit
- B. The numerical user ID
- C. The username
- D. The encrypted password
- E. The user's default shell

Correct Answer: BCD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16 Which of the following `tar` options handle compression? (Choose two correct answers.)

- A. `-bz`

- B. -z C. -g
- D. -j
- E. -z2

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

FILL BLANK

What keyword is used in a shell script to begin a loop? (Specify one keyword only, without any additional information.)

Correct Answer: for

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

Which of the following commands creates an archive file `work.tar` from the contents of the directory `./work/`?

- A. `tar --new work.tar ./work/`
- B. `tar -cf work.tar ./work/`
- C. `tar -create work.tgz -content ./work/`
- D. `tar work.tar < ./work/`
- E. `tar work > work.tar`



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19 Which of the following keys can be pressed to exit `less`?

- A. l
- B. x
- C. e
- D. q
- E. !

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20 The current directory contains the following file:

```
-rwxr-xr-x 1 root root 859688 Feb 7 08:15 test.sh
```

Given that the file is a valid shell script, how can this script be executed? (Choose two correct answers.)

- A. `run test.sh`
- B. `${test.sh}`
- C. `cmd ./test.sh`
- D. `./test.sh`
- E. `bash test.sh`

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

Which of the following commands sorts the output of the command `export-logs`?

- A. `export-logs < sort`
- B. `export-logs > sort`
- C. `export-logs & sort`
- D. `export-logs | sort`
- E. `export-logs <> sort`

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



QUESTION 22

A directory contains the following files:

```
a.txt
```

```
b.txt
```

```
c.cav
```

What would be the output of the following shell script? for
file in *.txt

```
do
```

```
    echo $file
```

```
done
```

- A. `*.txt`
- B. `a b`
- C. `c.cav`

- D. a.txt
- E. a. txt b. txt

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23 Which of the following commands will search for the file `foo.txt` under the directory `/home`?

- A. `search /home -file foo.txt`
- B. `search /home foo. txt`
- C. `find /home - file foo.txt`
- D. `find /home -name foo.txt`
- E. `find /home foo.txt`

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24 The current directory contains the following file:

```
-rw-r--r- 1 root exec 24551 Apr 2 12:36 test.sh
```

The file contains a valid shell script, but executing this file using `./test.sh` leads to this error:

```
bash: ./test.sh: Permission denied
```

What should be done in order to successfully execute the script?

- A. The file's extension should be changed from `.sh` to `.bin`.
- B. The execute bit should be set in the file's permissions.
- C. The user executing the script should be added to the `exec` group.
- D. The SetUID bit should be set in the file's permissions
- E. The script should be run using `#!/test. sh` instead of `./test.sh`.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25 What is a Linux distribution?

- A. The Linux file system as seen from the root account after mounting all file systems.
- B. A bundling of the Linux kernel, system utilities and other software.
- C. The set of rules which governs the distribution of Linux kernel source code.
- D. An operating system based on Linux but incompatible to the regular Linux kernel.
- E. A set of changes to Linux which enable Linux to run on another processor architecture.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

Which package management tool is used in Red Hat-based Linux Systems?

- A. portage
- B. rpm
- C. apt-get
- D. dpkg
- E. packagectl

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

Which of the following programs is a graphical editor for vector graphics?

- A. Python
- B. NGINXC. Samba
- D. Inkscape
- E. MySQL



Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28 Where is the operating system of a Raspberry Pi stored?

- A. On the master device attached to the Raspberry Pi's IDE bus.
- B. On a read only partition on the Raspberry Pi's firmware, next to the BIOS.
- C. On a removable SD card which is put into the Raspberry Pi.
- D. On a Linux extension module connected to the Raspberry Pi's GPIO pins.
- E. On rewritable flash storage which is built into the Raspberry Pi.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29 What is defined by a Free Software license?

- A. Details of the technical documentation each contributor has to provide.
- B. The programming languages which may be used to extend the licensed program.
- C. A complete list of libraries required to compile the licensed software.
- D. Limits on the purposes for which the licensed software may be used.
- E. Conditions for modifying and distributing the licensed software.

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30 Why are web browser cookies considered dangerous?

- A. Cookies support identification and tracking of users.
- B. Cookies are always public and accessible to anyone on the internet.
- C. Cookies consume significant amounts of storage and can exhaust disk space.
- D. Cookies store critical data which is lost when a cookie is deleted.
- E. Cookies can contain and execute viruses and malware.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31 Which of the following are typical services offered by public cloud providers? (Choose three correct answers.)

- A. Platform as a Service(PaaS)
- B. Infrastructure as a Service(IaaS)
- C. Internet as a Service(IaaS)
- D. Graphics as a Service (GaaS)
- E. Software as a Service (SaaS)

Correct Answer: ABE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32 Which of the following characters in a shell prompt indicates the shell is running with root privileges?

- A. !
- B. #
- C. *
- D. &
- E. \$

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33 Which of the following commands are used to get information on the proper use of ls? (Choose two correct answers.)

- A. `option ls`
- B. `usage ls`
- C. `manual ls`
- D. `man ls`
- E. `info ls`

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34 What is true about a recursive

directory listing? A. It includes the content of sub-directories.

- B. It includes the permissions of the directory listed.
- C. It includes details of file system internals, such as inodes.
- D. It includes ownership information for the files.
- E. It includes a preview of content for each file in the directory.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35

Running the command `rm Downloads` leads to the following error:

```
rm: cannot remove 'Downloads/': Is a directory
```

Which of the following commands can be used instead to remove Downloads, assuming Downloads is empty? (Choose two correct answers.)

- A. `undir Downloads`
- B. `rmdir Downloads`
- C. `dir -r Downloads`
- D. `rem Downloads`
- E. `rm -r Downloads`

Correct Answer: BE

Section: (none)

Explanation

Explanation/Reference:



QUESTION 36 Which of the following directories contains information, documentation and example configuration files for installed software packages?

- A. `/usr/share/doc/`
- B. `/etc/defaults/`
- C. `/var/info/`
- D. `/doc/`
- E. `/usr/examples/`

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37

Which of the following commands adds the directory `/new/dir/` to the `PATH` environment variable?

- A. `$PATH=/new/dir: $PATH`
- B. `PATH=/new/dir: PATH`
- C. `export PATH=/new/dir: PATH`
- D. `export $PATH=/new/dir: $PATH`
- E. `export PATH=/new/dir: $PATH`

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:



QUESTION 38

A user is currently in the directory `/home/user/Downloads/` and runs the command

```
ls ../Documents/
```

Assuming it exists, which directory's content is displayed?

- A. `/home/user/Documents/`
- B. `/home/user/Documents/Downloads/`
- C. `/home/user/Downloads/Documents/`
- D. `/Documents/`
- E. `/home/Documents`

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 39 A directory contains the following three files:

```
texts 1.txt
texts 2.txt
texts 3.csv
```

Which command copies the two files ending in `.txt` to the `/tmp/` directory?

- A. `cp ?? .txt /tmp/`
- B. `cp *.txt /tmp/`
- C. `cp. \.txt /tmp/`
- D. `cp ? .txt /tmp/`
- E. `cp $?.txt /tmp/`

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 40

FILL BLANK

When typing a long command line at the shell, what **single character** can be used to split a command across multiple lines?

Correct Answer: \

Section: (none)

Explanation

Explanation/Reference:

