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QUESTION NO: 1 - (FILL BLANK)

The system's timezone may be set by linking `/etc/localtime` to an appropriate file in which directory? (Provide the full path to the directory, without any country information)

ANSWER: `/usr/share/zoneinfo/`

QUESTION NO: 2

After moving data to a new filesystem, how can the former path of the data be kept intact in order to avoid reconfiguration of existing applications? (Choose TWO correct answers.)

- A. By creating an ACL redirection from the old to the new path of the data.
- B. By creating a hard link from the old to the new path of the data.
- C. By creating a symbolic link from the old to the new path of the data.
- D. By running the command `touch` on the old path.
- E. By mounting the new filesystem on the original path of the data.

ANSWER: C E

QUESTION NO: 3

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 NO: 4 - (FILL BLANK)

Which command will disable swapping on a device? (Specify ONLY the command without any path or parameters.)

ANSWER: swapoff, /sbin/swapoff

QUESTION NO: 5 - (FILL BLANK)

With IPv6, how many bits have been used for the interface identifier of an unicast address? (Specify the number using digits only.)

ANSWER: 64

QUESTION NO: 6

Which of the following keywords can be used in the file `/etc/nsswitch.conf` to specify a source for host name lookups? (Choose TWO correct answers.)

- A. resolv
- B. dns
- C. remote
- D. files
- E. hosts

ANSWER: B D

QUESTION NO: 7

After modifying GNU GRUB's configuration file, which command must be run for the changes to take effect?

- A. `kill -HUP $(pidof grub)`
- B. `grub-install`
- C. `grub`
- D. No action is required

ANSWER: D

QUESTION NO: 8

What of the following can be done by the command `ifconfig`? (Choose TWO correct answers.)

- A. Set a network interface active or inactive.

- B. Specify the kernel module to be used with a network interface.
- C. Allow regular users to change the network configuration of a network interface.
- D. Change the netmask used on a network interface.
- E. Specify which network services are available on a network interface.

ANSWER: A D

QUESTION NO: 9

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 NO: 10

What does the command mount -a do?

- A. It mounts all available filesystems onto the current directory.
- B. It shows all mounted filesystems.
- C. It mounts all user mountable filesystems for the current user.
- D. It mounts all filesystems listed in /etc/fstab which have the option auto set.
- E. It mounts all filesystems listed in /etc/fstab which have the option noauto set.

ANSWER: D

QUESTION NO: 11

What does the command mount -a do?

- A. It ensures that all file systems listed with the option noauto in /etc/fstab are mounted.
- B. It shows all mounted file systems that have been automatically mounted.

- C. It opens an editor with root privileges and loads `/etc/fstab` for editing.
- D. It ensures that all file systems listed with the option `auto` in `/etc/fstab` are mounted.
- E. It ensures that all file systems listed in `/etc/fstab` are mounted regardless of their options.

ANSWER: D

QUESTION NO: 12

The script, `script.sh`, consists of the following lines:

```
#!/bin/bash
```

```
echo $2 $1
```

Which output will appear if the command, `./script.sh test1 test2`, is entered?

- A. `test1 test2`
- B. `test2 test1`
- C. `script.sh test2`
- D. `script.sh test1`
- E. `test1 script.sh`

ANSWER: B

QUESTION NO: 13 - (FILL BLANK)

Which command is used to sync the hardware clock to the system clock? (Specify ONLY the command without any path or parameters.)

ANSWER: `hwclock, /sbin/hwclock, /usr/sbin/hwclock`

QUESTION NO: 14

Which of the following commands can be used to display the inode number of a given file?

- A. `inode`
- B. `ls`
- C. `ln`
- D. `cp`

ANSWER: B

QUESTION NO: 15

What is true regarding the file `~/.forward`?

- A. As it is owned by the MTA and not writable by the user, it must be edited using the `editaliases` command.
- B. After editing `~/.forward` the user must run `newaliases` to make the mail server aware of the changes.
- C. Using `~/.forward`, root may configure any email address whereas all other users may configure only their own addresses.
- D. When configured correctly, `~/.forward` can be used to forward each incoming mail to more than one other recipient.

ANSWER: D