**### Linux MCQ Practice Questions:**

1. What does the acronym "GNU" stand for in GNU/Linux?

a. Grand Network Utility

b. General Network Unix

c. GNU's Not Unix

d. Global Networking Unit

Answer: c. GNU's Not Unix

2. Which command is used to display the manual page for a command in Linux?

a. man

b. help

c. info

d. cmdinfo

Answer: a. man

3. In Linux, what is the purpose of the command 'chmod'?

a. Change mode of a file

b. Change directory

c. Change owner of a file

d. Change hostname

Answer: a. Change mode of a file

4. What does the command 'grep' do in Linux?

a. Copy files and directories

b. Search for a pattern in a file

c. Move files and directories

d. Rename files

Answer: b. Search for a pattern in a file

5. Which directory contains configuration files for the system and applications in Linux?

a. /var

b. /etc

c. /bin

d. /opt

Answer: b. /etc

6. What is the purpose of the 'df' command in Linux?

a. Display free memory

b. Display disk usage

c. Display file permissions

d. Display system uptime

Answer: b. Display disk usage

7. Which command is used to create a symbolic link in Linux?

a. ln -s

b. link -s

c. sym -l

d. mklink

Answer: a. ln -s

8. In Linux, what does the command 'ps' do?

a. Print system information

b. Display processes

c. Pause a process

d. Print strings

Answer: b. Display processes

9. What does the command 'tar' in Linux stand for?

a. Tape Archive

b. Target Archive

c. Text Archive

d. Terminal Archive

Answer: a. Tape Archive

10. Which command is used to find and replace text in a file in Linux?

a. replace

b. findrep

c. sed

d. replaceText

Answer: c. sed

11. In Linux, what is the purpose of the 'ls' command?

a. List files and directories

b. Locate files

c. Load settings

d. Long search

Answer: a. List files and directories

12. What is the default shell in most Linux distributions?

a. bash

b. sh

c. zsh

d. csh

Answer: a. bash

13. Which command is used to delete a directory in Linux?

a. rm

b. rmdir

c. delete

d. erase

Answer: b. rmdir

14. What does the command 'uname -a' display in Linux?

a. User information

b. Update status

c. System information

d. Universal name

Answer: c. System information

15. What is the purpose of the 'chown' command in Linux?

a. Change owner of a file

b. Change group of a file

c. Change permissions of a file

d. Change hostname

Answer: a. Change owner of a file

16. Which command is used to list all environment variables in Linux?

a. env

b. set

c. printenv

d. variables

Answer: c. printenv

17. In Linux, what does the command 'shutdown -r now' do?

a. Reboot the system

b. Shutdown the system

c. Restart all services

d. Reload the shell

Answer: a. Reboot the system

18. What is the purpose of the 'cron' daemon in Linux?

a. Manage user accounts

b. Schedule periodic tasks

c. Control network connections

d. Monitor disk usage

Answer: b. Schedule periodic tasks

19. Which file contains the list of users who are allowed to execute the 'su' command in Linux?

a. /etc/passwd

b. /etc/shadow

c. /etc/suusers

d. /etc/sudoers

Answer: d. /etc/sudoers

20. What is the purpose of the 'umask' command in Linux?

a. Set file permissions

b. Set user quota

c. Set environment variables

d. Set disk quota

Answer: a. Set file permissions

21. Which command is used to compress files in Linux?

a. gzip

b. compress

c. zip

d. tar

Answer: a. gzip

22. What does the command 'echo $PATH' display in Linux?

a. Current working directory

b. User's home directory

c. System path variable

d. System time

Answer: c. System path variable

23. In Linux, what does the 'which' command do?

a. Display system information

b. Display file permissions

c. Display the location of a command

d. Display network status

Answer: c. Display the location of a command

24. Which command is used to check the disk space usage of a file or directory in Linux?

a. du

b. df

c. ds

d. fs

Answer: a. du

25. What is the purpose of the 'awk' command in Linux?

a. Text processing

b. File compression

c. System monitoring

d. Disk cleanup

Answer: a. Text processing

26. Which file is used to configure the network settings in Linux?

a. /etc/network.conf

b. /etc/network.d

c. /etc/network/interfaces

d. /etc/netconfig

Answer: c. /etc/network/interfaces

27. What does the command 'cat' do in Linux?

a. Concatenate files

b. Copy files

c. Create files

d. Cut files

Answer: a. Concatenate files

28. Which command is used to display the last few lines of a file in Linux?

a. head

b. tail

c. more

d. less

Answer: b. tail

29. What is the purpose of the 'find' command in Linux?

a. Search for files

and directories

b. Find and replace text in files

c. Display system information

d. List environment variables

Answer: a. Search for files and directories

30. In Linux, what does the 'kill' command do?

a. Remove a file

b. Terminate a process

c. Kill a user session

d. Shut down the system

Answer: b. Terminate a process