

PG-DITISS – Session 1 & 2

Linux Basics – 40 MCQs

Q1. Linux is an example of a:

- A. Application software
- B. Operating system
- C. Programming language
- D. Database

Q2. Who developed the Linux kernel?

- A. Bill Gates
- B. Dennis Ritchie
- C. Linus Torvalds
- D. Richard Stallman

Q3. In Linux, everything is treated as a:

- A. Process
- B. File
- C. Command
- D. User

Q4. The root directory in Linux is represented by:

- A. \
- B. /
- C. root
- D. home

Q5. Which command shows the current directory path?

- A. ls
- B. cd
- C. pwd
- D. path

Q6. Which command lists files and directories?

- A. dir
- B. list
- C. show
- D. ls

Q7. Which command creates a directory?

- A. mkdir
- B. rmdir
- C. touch
- D. create

Q8. Which command removes a file?

- A. delete
- B. erase
- C. rm
- D. remove

Q9. Home directory shortcut symbol is:

- A. /root
- B. ~
- C. /usr
- D. /bin

Q10. Which command shows manual pages?

- A. help
- B. info
- C. man
- D. whatis

Q11. Which command copies files?

- A. mv
- B. copy
- C. cp
- D. clone

Q12. Which command moves or renames files?

- A. mv
- B. cp
- C. rn
- D. rm

Q13. Which command shows file content page by page?

- A. cat
- B. more
- C. grep
- D. tac

Q14. Which command shows first 10 lines of a file?

- A. tail
- B. head
- C. top
- D. less

Q15. Which command shows last lines of a file?

- A. head
- B. end
- C. tail
- D. last

Q16. Which command searches text inside files?

- A. find
- B. grep
- C. search
- D. locate

Q17. Which command displays file type?

- A. stat
- B. type
- C. file
- D. info

Q18. Which command compares two files?

- A. diff
- B. cmp

- C. compare
- D. check

Q19. Which command creates an empty file?

- A. cat
- B. touch
- C. new
- D. mkfile

Q20. Which command creates symbolic link?

- A. ln
- B. ln -s
- C. link
- D. symlink

Q21. Which command compresses files?

- A. zip
- B. tar
- C. gzip
- D. compress

Q22. Which command extracts zip files?

- A. unzip
- B. gunzip
- C. untar
- D. extract

Q23. Which command shows logged in users?

- A. whoami
- B. who
- C. users
- D. login

Q24. Which command shows your username?

- A. who
- B. whoami
- C. finger
- D. w

Q25. chmod command is used to:

- A. Change ownership
- B. Change permissions
- C. Change size
- D. Change name

Q26. chown command is used to:

- A. Change ownership
- B. Change permissions
- C. Change group
- D. Change ACL

Q27. ACL provides:

- A. Basic permissions
- B. Fine-grained permissions
- C. Root access

D. Network security

Q28. Execute permission is represented by:

- A. r
- B. w
- C. x
- D. e

Q29. Permission 755 means:

- A. rwxrwxrwx
- B. rwxr-xr-x
- C. rw-r--r--
- D. r--r--r--

Q30. Which command is secure remote login?

- A. telnet
- B. ftp
- C. ssh
- D. rlogin

Q31. Which command securely transfers files?

- A. ftp
- B. telnet
- C. sftp
- D. finger

Q32. Which command shows running processes?

- A. jobs
- B. ps
- C. top
- D. Both B and C

Q33. Which command shows background jobs?

- A. bg
- B. fg
- C. jobs
- D. ps

Q34. Which command shows date and time?

- A. cal
- B. time
- C. date
- D. clock

Q35. Which command is used for calculation?

- A. expr
- B. bc
- C. calc
- D. math

Q36. Which command shows calendar?

- A. date
- B. cal
- C. time
- D. month

Q37. Which command reverses file content display?

- A. cat
- B. tac
- C. rev
- D. flip

Q38. Which command deletes empty directory?

- A. rm
- B. rmdir
- C. del
- D. erase

Q39. Which command mounts storage devices?

- A. attach
- B. connect
- C. mount
- D. load

Answer Key

Q1—B, Q2—C, Q3—B, Q4—B, Q5—C, Q6—D, Q7—A, Q8—C, Q9—B, Q10—C, Q11—C, Q12—A, Q13—B, Q14—B, Q15—C, Q16—B, Q17—C, Q18—A, Q19—B, Q20—B, Q21—C, Q22—A, Q23—B, Q24—B, Q25—B, Q26—A, Q27—B, Q28—C, Q29—B, Q30—C, Q31—C, Q32—D, Q33—C, Q34—C, Q35—B, Q36—B, Q37—B, Q38—B, Q39—C