**Linux programming**

1. The minimum number of links for any directory file are
2. 3
3. 4
4. 1
5. 2
6. Shell Program is stored in a file called
7. Unix
8. Sh
9. Dd
10. Cc
11. The default value of Umask is
12. 1024
13. 4021
14. 0022
15. 1001
16. Which command is used to count the length of a string s=”hello”?
17. Echo $a|wc-c
18. ${#s}
19. Both A and B
20. none

5. If there are three links for a file then the number of copies of the file would be:

a. One    
b. two    
c. three    
d. four

6. After typing the contents of file test created by you by giving the command cat>test you save the contents by

a. Pressing the keys ctrl-c   
b. Typing save and pressing enter   
c. Pressing Esc key   
d. Pressing ctrl-d

7. The file for which we do not have write permission can be deleted using the command

a. rm-i file   
b. rm-I file   
c. rm-r-file   
d. rm-f-file

8. The permission 746 can be represented as

a. rwxrwx- -x   
b. rw- -w-r-x   
c. rwxr-xr-x   
d. rwxr- -rw–

9. The command pwd gives

a. Present working directory   
b. Password in encrypted form   
c. Password in decrypted form   
d. None

10. Which of the following is not a linux command

a. Cd    
b. rm    
c. pwd    
d. del

11. The size of any block in the linux file system is

a. 512 bytes   
b.1024 bytes   
c. 2048 bytes   
d. Any of the above

12. Which file gets executed when we use the passwd command

a. /etc/passwd   
b. /etc/pwd   
c. /bin/passwd   
d. /passwd

13.  To see the last access time of various files in a file system the command is

a. Is -Iu   
b. Is -I   
c. Is -acc   
d. Is -mt

14. To ascertain what are the contents of the file in your the system the best way would be

a. Do a cat command on each file and find its contents   
b. Use the command cat \*   
c. Use the command file \*   
d. None of the above

15. Which of the following is not true

a. Sorting is done on the basics of first character of each line   
b. Sort command sorts a file word by word rather than line by line   
c. Sort command has s provision to do a numeric sort   
d. Sort is not a filter 

16. The command cut –f 2,8 –d”:”file I would output

a. The fields 2 to 8 from file I where delimiter between fileds is:   
b. The fields 2 to 8 from file I including the delimiter : between fields   
c. The columns 2 to 8 from file I with : between each column   
d. None of the above   
 17. The command to search the pattern “Hi there” in file I would be

a. Grep “Hi there” file 1   
b. Grep Hi there file 1   
c. Grep \<Hi there\> file1   
d. Grep ‘Hi there’ file 1   
18. The command head f1 would display

a. First line of the file f1   
b. Nothing   
c. First 10 lines of the file f1   
d. The whole file f1   
 19. The message of the day is stored in a file called

a. /etc/profile   
b. /etc/motv   
c. .profile   
d. Autoexec.bat

20. The escape sequence \033[4m is used to

a. underlying characters   
b. mark them as bold   
c. display them in reverse video   
d. none of the above

21. Which of the following assignment is illegal

a. a=’cat file’   
b. a=100 b=50   
c. age=25   
d. all the above

22. A null variable a can be created using

a. a=   
b. a=’’   
c. a=””   
d. All the above

23. The shell metacharacter $# represents

a. Total number of arguments supplied to the shell script   
b. Total number of files in the current directory   
c. Total number of users who have logged in   
d. Total number of processes running in the background.

24.When we are executing a shell script the shell acts as

a. An interpreter   
b. A compiler   
c. An operating system   
d. None of the above   
25. The statement z=’expr 5/2’ would store in z a value

a. 2.5   
b. 3   
c. 2   
d. 0   
 26. The expression expr -7 % 2evaluates to

a. 1   
b. -1   
c. -3.5   
d. 0

27. Which of the following special shell variables is used to process number of the last background job?

a. $!   
b. $#   
c. $0   
d. $\*

28. How do you display the kernel release?

A. Kernel -r

B. Uname -r

C. Cat /proc/etc/kernel/release

D. Cat /etc/config/kernel/release

29. Which file is the list of commands you recently entered stored in?

1. .bash\_list
2. .bash\_history
3. .history
4. .bashrc

30. How would you find out what your current login shell is?

1. Cat /etc/shell
2. Cat /etc/current/shell
3. Ps | grep sshd
4. Echo $SHELL

31. Which of the following runs the last command you entered?

1. ~!
2. !~
3. !!
4. ..

32. How would you list oldest files first and newest ones last?

1. Ls /o-d
2. Ls -od
3. Ls -rt
4. Ls -dt

33. How do you run a job that will continue running even if you are logged out?

1. Hup.out command
2. Hup command
3. Jobc command
4. Nohup command

34. How would you remove a directory that is not empty?

1. Rm –r
2. Rm -f
3. Rmdir -f
4. Rmdir -le

35.How would you avoid accidentally removing files?

1. Rm -i
2. Rm -chk
3. Rm -a
4. Rm –r

36. Which command is used to unmount a filesystem?

1. Dmount
2. Dismount
3. Unmount
4. Umount

37. What keyboard combination can be used to exit the shell?

1. Ctrl+E
2. Ctrl+C
3. Ctrl+D
4. Ctrl+Z

38. How would you show process hierarchy in forest format?

1. Ps -ef -tree
2. Ps -ef --f
3. Ps -ef --forest
4. Ps -ef –t

39. To display information about the processor itself - display the contents of which file?

1. /bin/cpu
2. /dev/cpuinfo
3. /etc/cpu
4. /proc/cpuinfo

40.How do you see if two files are hard linked to each other?

1. Hl -l
2. ln -s
3. ls -i
4. Link –s

41. Which one provide command interpreter environment?

1. Kernel
2. Shell
3. CPU
4. Hardware

42. Which directory contains configuration files in Linux?

1. /etc/
2. /bin/
3. /dev/
4. /root/

43. Process which terminates before the parent process exits is known as

1. Orphan
2. Zombie
3. Child
4. None of the above

44. What is maximum filename size in Linux in bytes?

1. 32
2. 64
3. 128
4. 255

45.Which command can be used to delete a user from a Linux system?

1. userdel
2. usermod
3. users
4. useredit

46.Which of the following command is used to record session in Linux?

1. session
2. record
3. script
4. None of these

47.Which command is used to get the list of users who are currently logged-in?

1. who
2. login
3. users
4. which

48.How to calculate number of passed arguments ?

A. $$

B. $#

C. $@

D. @$

49. Which of the following is the correct syntax to define array in Bash scripting?

A. array=("newdelhi", "mumbai")

B. array=["newdelhi", "mumbai"]

C. array={"newdelhi", "mumbai"}

D. array={["newdelhi"], ["mumbai"]}

50. Linux command which print script name when running same script?

A. $1

B. $0

C. $$

D. $?