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**Date: 8/13/2020, 6:30 pm**

1. Find out if remote machine with IP 10.0.0.1 is up. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 5pts

**ANSWER: Just ping it**

1. 127.0.0.1 is the address of \_\_\_\_\_**loopback ip address**\_\_\_\_\_\_
2. What does GNU stands for \_\_\_\_\_\_\_**GNU’s Not Unix**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. In Linux everything stored as a \_\_\_\_\_\_\_**file**\_\_\_
4.   
   Suppose I want to achieve above output using command, which of the following command would help me to achieve this?   
     
   a. date;echo "hii"  
   b. date && echo "hii"  
     
   c. Both A and B  
     
   d. date,echo "hii"

**ANSWER: b**

1. Which of the following statement is true in context of "more" and "less" command in linux ?
2. less command allows you to scroll both ways whereas more command allows you to scroll downward only
3. less commad load file more fastly than more command You can use arrows key in less command while you you are not allowed to do so in more command
4. All of the Above is correct
5. None of the above

**ANSWER: d**

1. Which of the following command use to list file like file1 , file , file12 and file2 ?    
     
   a. ls -l | egrep "file[1]+2"  
   b. ls -l | egrep "file[1]+2\*"  
     
   c. ls -l | egrep "file1\*2+"  
     
   d. ls -l | egrep "file1\*2

**ANSWER: a**



1. What is the meaning of the above command ?
2. run "oneko" in background
3. run "oneko" in foreground
4. stop "oneko"
5. Above command is wrong

**ANSWER: a**

9. Write the command to display the current date in the form dd/mm/yyyy

1. date +%d/%m/%Y
2. date +”%d/%m/%Y”
3. date +/%d/%m/20%y
4. date +”/%d/%m/20%y”

**ANSWER: a**

10. Which of the following actions is performed by <find / -name ‘\*’> command?

1. List all files and directories rescursively starting from /
2. Prit a file with name \* in /
3. List all files / directory
4. List all files and directories in / directory

**ANSWER: a**

11. Which command(s) si/are used to get help about a command in Linux?

1. info
2. man
3. None of these
4. Both a and b

**ANSWER: d**

12. Which of the following OS is not based on Linux?

1. Ubuntu
2. Redhat
3. CentOs
4. BSD

**ANSWER: d**

13. Which command is used to get the kernel version in Linux?

1. uname -r
2. kernel
3. uname -n
4. uname -s

**ANSWER: a**

14. Which of the following is not a communication command?

1. grep
2. mail
3. mesg
4. write
5. none of the above

**ANSWER: e**

15. #!/bin/bash is commonly called as?

1. shebang
2. hashbang
3. Script Initialiser
4. a and b are correct
5. None of the above

**ANSWER: a**

16. Command is used to list the contents of directories?

1. tar
2. dir
3. lp
4. ls
5. None of the above

**ANSWER: d**

17. Which of the following commands are used to display last 10 line of the file?

1. tail filename
2. tail -10 filename
3. Both A and
4. B Only

**ANSWER: b**

18. Which of the following command used to edit and execute command no. 25 in history list ?

1. history -e 25
2. fc 25
3. !25
4. None of these

**ANSWER: c**

19. Which of the following command is used unmount a filesystem?

1. demount
2. unmounts
3. mount -r
4. umount

**ANSWER: d**

20. What does rwx r-x r-- means in octal ?

1. 755
2. 743
3. 754
4. 745

**ANSWER: c**

21. Command used to count the total number of lines, words, and character in a file.

1. countw
2. wcount
3. wc
4. count p
5. None of the above

**ANSWER: c**

22. Which of the following commands will allow the user to search contents of a file for a particular pattern?

1. touch
2. grep
3. find
4. ls

**ANSWER: c**

23. Which of the following is true?

1. Shell is a process and can be started by superuser only
2. Shell is a built-in Kernel functionality
3. Shell is a wrapper for all the commands and utilities
4. None of the above

**ANSWER: d**

24. What would be the current working directory at the end of the following command sequence?

$ **pwd** /home/user1/proj

$ **cd** src

$ **cd** generic

$ **cd .**

$ **pwd**

1. /home/user1/proj
2. /home/user1/proj/src
3. /home/user1
4. /home/user1/proj/src/generic

**ANSWER: b**

25. What is the output of the following code?

$ os=Unix

$ **echo** 1.$os 2.”$os” 3.’$os’ 4.$os

1. 1.Unix 2.Unix 3.Unix 4.Unix
2. 1.Unix 2.Unix 3.$os 4.Unix
3. 1.Unix 2.Unix 3.Unix 4.$os
4. 1.Unix 2.$os 3.$os 4.$os

**ANSWER: 1.Unix 2.”Unix” 3.’Unix’ 4.Unix**

You are the on-duty System Administrator, you support an off-site Data Center (DC) or Data Center that are located in a different area, you have one local IT personnel in the. The IT personnel calls you and reported that the Data Center is down on their monitoring. What will be your steps in-terms of handling the issue. (10 pts)

* + 1. Don’t panic focus on the problem.
    2. Troubleshoot the problem.
       1. Check on your side if you can ping the servers.
       2. Asked the IT personnel in line to check all physical cables attached to the servers.
       3. Check firewall.
       4. Check logs