###### **1. What is the basic difference between UNIX and Linux Operating System.**

**UNIX is a OS & LINUX is a Kernel**

**2. Linux is which kind of Operating System?**

1. Multi User
2. Multi Tasking
3. Multi Process
4. All of the above
5. None of the above

###### **3. Syntax of any Linux command is:**

1. command [options] [arguments]
2. command options [arguments]
3. command [options] [arguments]
4. command options arguments

**4. What is a swap space?**

**5. What are symbolic links?**

**6. How do you change permissions under Linux?**

**7. How do you list partitions under Linux?**

**8. How do you list mount points in linux?**

**9. What are filenames that are preceded by a dot?**

**10. What is the pwd command?**

**11. What is symbol of output redirection**

**12. How do you redirect all the output to a file, including standard errors.**

**13. Command to find all the PID’s of httpd process**

**14. Write a command that will look for files with an extension “.xyz” and delete it.**

**15. How to make sure that vsftpd process starts after system starts.**

**16. How to install software with all the dependencies in Ubuntu & centos systems.**

**17. What runlevel will start the system in graphical mode?**

**18. What is the command to find the current run level?**

**19. Write a cronjob entry to run a backup script at 10:30 PM from Monday to Friday?**

**20. What is the command to find the current load average of the system?**

**21. Explain all the fields for user devops from /etc/passwd file**

**devops:x:1002:1002:Lab\_User:/home/devops:/bin/bash**

**23. Give example of type 2 and type 1 hypervisor?**

**24. Diffrence between DNS and DHCP server?**

**25. Default ports for FTP, DNS, Telnet, HTTP & SSH?**

**26.** **Command to install rpm and dpkg package.**

**27. Print exit status to last executed command?**

**28. What is the command to take input from user while executing the script.**

**29. What is vagrant?**

**30. What is the default synced directory for vagrant vm?**

**31. How to make your script executable for the owner and the group?**

**32. Diffrence between ext2 and ext3 filesystem.**

**33. How to check the ip address of your system ?**

**34. How To change the password of user from the Command Line ?**

**35. What is name of first process in linux and its PID?**

**36. Command to check all the running processes?**

**37. Find a user root info from /etc/passwd file and display two lines after that?**

**38. Search content elephant and replace it with rhino from a file named animals.txt.**

**39. Command to add user to the group?**

**40. How many IP addresses are available to use from CIDR block /24 and /16?**

**41. What is first and last usable ip address for network ranges 172.16.1.0/24?**

**42. What is the purpose of /etc/hosts file?**

**43. How to restart ssh service in centos and ubuntu OS?**

**44. How to reboot linux machine with init command?**

**45. Command to copy file /tmp/logs\_backup.zip from local system to a remote server which has ipaddress 192.168.2.84 at /home/vagrant/ location?**

**46. sudo -i command is used for what purpose?**

**47. Command to zip and compress directory named apache\_logs.**

**48. What is PPID?**

**49. How to print script name inside the script?**

**50. What is SHEBANG chanrecter and its purpose?**