

Introduction:-

1. Difference Between Linux & Windows.
2. Difference between power shell & Bash Shell.
3. Difference between CLI & GUI.
4. Architecture of Linux OS ? & It's one example in your own language.
5. Types of Shell ?
6. Features of Linux OS ?

Basic Commands in Linux:-

1. What is prompt in linux ?
2. Note down any 20 Linux commands & it's usage at your own research.

Linux Editors:-

1. Note down the types of editors.
2. Difference between Vi & Vim ?
3. How to remove highlighted words in the command line editor ?

User Management:-

1. Difference between useradd & adduser.
2. Where can we use group level passwords ? **[HOLD]**
3. Difference between /etc/group & /etc/gpasswd ?
4. Difference between ACL Permission and other user's permission ?

Linux File Security System:-

1. Gather all the information about Linux File Types ?
2. Difference between hard link & soft link ?
3. Files all fields ?
4. How to remove acl ?
5. How to transfer ACL from one file/dir to another.
6. How to remove ACL From directory ?

Filter, Search & Utilities:-

1. Difference between find and search ?
2. Archive & Compression differences ?

Job Scheduling:-

1. Difference between at & crontab ?
2. Difference between crontab & anacron ?

Package Management:-

1. Difference between yum & rpm
2. Difference between yum remove & auto remove.

Partition Management:-

1. Difference between SSD & HDD.
2. Difference between PATA & SATA .
3. Difference between File system & File Type ?
4. Difference between MBR & GPT ?
5. How many partitions can we create in MBR ?
6. How many partitions can we create in GPT ?
7. How many GB's of logical volume can we create ?
8. What is a File system ?
9. What do you mean by formatting the partition, why do we need to format it ?

Networking & Firewall:-

1. What is client-server architecture
2. What are Protocols ?
3. What is the port number that we needed ?
4. What do you mean by TCP ?
5. What do you mean by UDP ?
6. Difference between TCP & UDP Protocols ?
7. What is OSI Model & Real time one example explanation in your own language.
8. 172.65.0.0/16
9. 183.64.0.0/19
10. 183.64.0.0/21
11. 100.52.18.123/12
12. 172.152.72.10/17
13. 200.56.100.0/22
14. Difference between Public IP vs Private IP.
15. Types of Firewall ? Knowledgeable one short description.
16. Write down the Concept of Port Forwarding.
17. What is the Booting Process & its steps?

SSH:-

18. What is ssh ?
19. SSH Theory ?
20. Why do we use SSH ?
21. Port number of & config file of SSH ?
22. Types of SSH ?

Rsyslog:-

23. What are logs ?
24. Rsyslog confide & port number ?
25. Rsyslog demon file ?
26. Rsyslog downloading required packages ?
27. What is Log management, why do we need this ?
28. What is a centralised log ? Why do we need to use this ?

29. What is log rotation, why do we need to use this ?

FTP:-

30. FTP Theory ?

31. Types of FTP Server ?

32. Difference between ftp & samba.

33. What is control connection & Data connection in FTP ?

34. Difference between sql & NoSql ?