

Question Bank for Linux.

UNIT-I

- a. Write a note on history of linux.
- b. Discuss about the terminologies used in linux.
- c. Discuss any four linux distributions.
- d. List the features of linux operating system.
- e. Write a note on role of linux kernel.
- f. Give the importance of linux in software eco system as web servers and mobiles.
- g. What is the architecture of linux? Explain.
- h. Define Boot Loader in linux.
- i. Discuss init process along with runlevels.
- j. Explain in detail about shutdown process of linux.
- k. State the difference between GUI and CLI
- l. Explain the concept of rpm and deb
- m. Explain the commands shutdown -g4, shutdown -y -g0, shutdown -y -g0 -i6 in detail.
- n. What are init scripts.
- o. Explain the concept of GNU.

UNIT-II

- a. Write the syntax of cp command and state an example of it..
- b. Write a short note on network management
- c. Explain in detail the use of ipconfig command.
- d. What is the use of cat command?
- e. Explain in brief about modes used in vi editor.
- f. Discuss in detail about command mode.
- g. Discuss in detail about input mode.

- h. Discuss in detail about saving mode.
- i. Write a short note on use of shell inlinux.
- j. Mention any five three utility commands used in linux and explain them in detail.
- k. Explain the usage of grep command in linux.
- l. Explain the usage of chmod command in linux.
- m. What are the rules of having password in linuxsecurity.
- n. What is environment variable?
- o. Explain the concept of file compression in linux.
- p. What are local environment variables and global environment variables?
- q. What is command alias?
- r. Explain in brief about man command.
- s. Explain in brief about help command.
- t. State the rules for writing file name in linux.
- u. Explain in brief about hard link and soft link.

UNIT-III

- a. Write a note on security in Linux.
- b. Write any five privileges of administrator.
- c. What are the rules used for choosing a password?
- d. Write a note on ssh.
- e. Define the term full duplex in networking.
- f. Define the term half duplex in networking.
- g. Write a note on FTP.
- h. Write a note on HTTP.
- i. Write a note on TCP/IP.
- j. Discuss IP address.
- k. Explain the commands:-telnet,route,hostname,ping,ifconfig.
- l. Explain DNS.
- m. What is echo command?
- n. Describe basic structure of shell script.
- o. What are user variables?
- p. Discuss test command for file compression.
- q. What is awk? List any three features of awk.
- r. Define regular expression. What is the purpose of the following regular expressions:- ^,\$,*,?

Extra Questions:

- a. Write down the steps required for changing the current screen resolution.

- b. Write down the steps required for changing the current network configuration.
- c. Write down the steps required for changing the current time zone of your system.
- d. Write down the steps to install and remove gcc package.
- e. Write down the steps to create, modify, search, navigate a file in editor.
- f. How to run previously executed command history without typing it? Also create an alias for that command.
- g. Write a shell script to accept a file name and check whether the file name exist or not.
- h. Write a shell script that displays the user info on the screen.
- i. Write a shell script to accept a number from the user and display all prime numbers till the number user enters.
- j. Write a shell script to accept a number from the user and print the day of the week using case.
- k. Write a shell script to show working with if-then statement.
- l. Write in detail about string comparison operators.
- m. Write a shell script to display the use of while command.
- n. Write a shell script to print "This is a Test" on screen using echo command.
- o. Write a shell script that creates an empty file and later on add data in the file and display that data.