

Paper Code: 3617

Paper Title: Advanced Unix/Linux

Time: 02:30 Hours

Marks: 70

Q1 Answer any FIVE from the following: [10]

- a. What is users and groups in UNIX? Defined in your words.
- b. Explain ping command.
- c. Write down short note on else....if condition in UNIX.
- d. Which command is used to displaying date, word and line in shell?
- e. Explain system calls: open, lseek
- f. What is ifconfig?
- g. What wildcard character? Explain any two with example.

Q2 Answer any FIVE from the following: [15]

- a. Explain process related commands.
- b. Explain Linux shell.
- c. What do you mean by piping of UNIX?
- d. Explain CASE Statement of UNIX with example.
- e. Explain types of kernel.
- f. Give the difference between GNOME and KDE
- g. Explain the link, unlink, write and close file related system calls.

Q3 Answer any FIVE from the following: [25]

- a. What type of tools used in GIMP?
- b. Explain AWK programming.
- c. Explain command with example: grep, who, passwd, mv, ls
- d. Explain UNIX shell script with command line argument.
- e. Explain in brief: INODE
- f. What is DHCP? Explain DHCP Server in brief.
- g. Write a shell script to displaying the Fibonacci series.

Q4 Answer any TWO from the following: [20]

- a. Explain the file system of UNIX in briefly.
- b. Write the script:
 1. Write shell script to displaying reverse of entering the text.
 2. Find out the sum of entering the number.
(e.g. $234 = 2 + 3 + 4 = 9$)
- c. Explain chmod command with all the possibility with example.