

Roll No.

Total Pages : 2

46173

BT-6/M-24

UNIX AND LINUX PROGRAMMING

Paper-PE-CS-S314A

Time : Three Hours]

[Maximum Marks : 75

UNIT-I

1. What is the structure of UNIX System and also write the key features of UNIX? (15)
2.
 - (a) What is mean by System users and Regular users.
 - (b) Write a command to create user "abc" account with userid as 1002, the home directory as /home/abc and set /bin/bash as his default shell.
 - (c) Write a command to delete above mentioned user.
 - (d) Write a command to update above "abc" account to use the new default shell — /bin/zsh.
 - (e) Write a command to create new group and assign user "abc" to this group. (15)

UNIT-II

3. Write a program in bash shell scripting to display.
 - (a) 1st division if entered marks is greater than 80.
 - (b) 2nd division if entered marks is greater than 70 and less than equal to 80.
 - (c) 3rd division if entered marks is greater than 60 and less than equal to 70.
 - (d) otherwise fail. (15)

4. What is application of "Perl" Language and write a program in perl language to find average of 20 numbers using array? (15)

UNIT-III

5. What are various modes of "VI" editor. Write a command to
(a) save and exit.
(b) copy and paste two lines.
(c) insert space between two lines. (15)
6. (a) What are Different gcc C-compiler options in Linux?
(b) Write a command to "MakeFile" including C program of addition of two numbers and sum of 10 numbers in array. (15)

UNIT-IV

7. (a) What do you mean by process and write the command to view the status of running process and stopping the particular process?
(b) What is use of Firewall and explain the way of working of firewall using linux command? (15)
8. What is Job scheduling and write a command to schedule job to
(a) create directory at 9:10 pm using AT command.
(b) remove directory on 13/4/2024 at 10AM using crontab.
(c) view scheduled jobs in crontab file and delete a particular job. (15)