

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)