

- 6 a. What is shell programming? Write a shell program to create a menu and execute a given option based on users choice. Options include (i) list of users, (ii) list of processes, (iii) list of files. (06 Marks)
- b. Explain with example set and shift commands in UNIX to manipulate positional parameters. (04 Marks)
- c. Discuss use of trap statement for interrupting a program in UNIX. (04 Marks)
- d. Explain with an example while and for loop in shell programming. (06 Marks)
- 7 a. Write a note on awk and explain built in variables in awk. (08 Marks)
- b. Explain with example the following awk function:
i) Split () ii) Substr () iii) length () iv) index () (08 Marks)
- c. i) Write an awk statement to print odd numbered lines in a file.
ii) Write an awk statement to delete blank lines from a file. (04 Marks)
- 8 a. Explain string handling function in perl. (06 Marks)
- b. Using command line arguments, write a perl program to find whether a given year is a leap year. (07 Marks)
- c. Write a perl program to convert a given decimal number to binary equivalent. (07 Marks)

* * * * *