

Module-4

- 7 a. Explain the following environment variables with example each:
i) SHELL ii) LOGNAM iii) PATH iv) PS1 (04 Marks)
b. Explain sort command with options. (08 Marks)
c. What are hard link and symbolic links? (04 Marks)

OR

- 8 a. Explain special parameters used by the shell. (08 Marks)
b. Write a menu driven shell script to display list of files, process of user, today's date and users of the system. (08 Marks)

Module-5

- 9 a. Explain the mechanism of process creation using system in UNIX. (06 Marks)
b. Explain here document (<<) with an example. Also mention its use. (04 Marks)
c. Explain the following commands with example: (i) kill (ii) bg (iii) fg (06 Marks)

OR

- 10 a. Explain split and join functions with example. (04 Marks)
b. How is file managed in perl? Explain with an example. (04 Marks)
c. Using command line arguments, write a Perl program to find whether a given year is leap. (06 Marks)