(05 Marks)

Explain getrlimit and setrlimit function with prototype.

Module-4

- 7 a. Explain setuid and setgid functions with example and explain various ways to change user ids. (06 Marks)
 - b. What are pipes? What are its limitations? Write a program to send data from parent to child over a pipe.

 (08 Marks)
 - c. What are Interpreter Files? Give the difference between interpreter files and interpreter.

(06 Marks)

OR

- 8 a. What is a FIFO? With a neat diagram, explain client server communication using FIFO.
 - b. What are stream pipe? What are the different ways to view stream pipes? (08 Marks)
 - c. Explain briefly with example: (i) message queue (ii) semaphores (08 Marks)

Module-5

- 9 a. What are signals? Mention different source of signals? Write a program to setup signal handlers for SIGINIT and SIGALRM. (10 Marks)
 - b. What are Daemon process? Enlist their characteristics. Also write a program to transform a normal user process into a Daemon process. (10 Marks)

OR

10 a. Explain the kill() API and alaram() API.

(10 Marks)

b. Explain the Sigsetimp and Siglongimp functions with an example.

(10 Marks)