



M.Sc.DEGREE EXAMINATION – COMPUTER SCIENCE

FIRST SEMESTER – **NOVEMBER 2018**

CS 1820– LINUX PROGRAMMING

Date: 25-10-2018
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

PART - A

ANSWER ALL THE QUESTIONS:

10 X 2 =20

- 1) What is shell script?
- 2) What is pipe and redirection of pipe?
- 3) What is dialog utility?
- 4) Write Syntax for any two shell commands.
- 5) Write the function which returns unused memory to memory manager
- 6) Write Linux set Date command with example.
- 7) What is process table?
- 8) What is named pipes?
- 9) What are the socket types?
- 10) Write any two shared memory function.

PART - B

ANSWER ALL THE QUESTIONS:

5X 8 =40

- 11.a) Explain the Basic commands in Linux
(OR)
b) Write a shell script to manipulate environment variables.
- 12.a) Explain about Linux file structure.
(OR)
b) Write short notes on library function.
- 13.a) Write a program to demonstrate the time function.
(OR)
b) How to free up and Release the unused/cached memory in Linux.
- 14.a) Explain about file locking with an example.
(OR)

b) Write short notes on Named pipe

15.a) Explain about semaphores in Linux.

(OR)

b) Write notes on the following (i) bind (ii) listen.

PART – C

ANSWER ANY TWO:

2 X 20 =40

16 a) Discuss about shell variables and conditions with suitable example

b) Write a shell script to accept user personal details using input box and display the same in message box .

17.a) Explain about Simple memory allocation.

b) Discuss in detail about client server programs communicate using FIFO.

18.a) Discuss about any two System calls with examples.

b) Write a shell script to accept the student information and display the output.
