



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION - COMPUTER SCIENCE

FIRST SEMESTER – NOVEMBER 2013

CS 1826 - LINUX PROGRAMMING

Date : 13/11/2013
Time : 1:00 - 4:00

Dept. No.

Max. : 100 Marks

PART – A

ANSWER ALL THE QUESTIONS:

10 X 2 = 20

1. Which one is Linux standard Shell?
2. What is a statement block?
3. How do you execute shell script in the current shell?
4. Define: 'Shift'.
5. Which function return unused memory to memory manager?
6. Define : \$PATH.
7. What is process table?
8. Define : 'popen'.
9. What is Socket?
10. What is the critical section of code?

PART – B

ANSWER ALL THE QUESTIONS :

5 X 8 = 40

11. a) Write in brief about arithmetic comparison.
(OR)
b) Write a shell script to manipulate environment variables.
12. a) Describe about Linux file structure.
(OR)
b) Write a note on Open system call.
13. a) Write a program to demonstrate the time function.
(OR)
b) Explain briefly about temporary storage files.
14. a) Explain the lock files with an example.
(OR)
b) Briefly discuss about the pipe call.
15. a) Explain about shared memory.
(OR)
b) Write a note on the following (i) bind (ii) accept.

PART – C

ANSWER ANY TWO:

2 X 20 = 40

16. a) Discuss about shell AND list and OR list with suitable examples.(10)

b) Write a shell script to get user name, age, gender through input box and display the same in message box . (10)

17. a) Explain the getenv and putenv with suitable examples. (10)

b) How the client server programs communicate using FIFO? Explain. (10)

18. a) Discuss about message queue. (10)

b) Explain the fopen, fwrite and fseek library functions. (10)
