

G 1480

(Pages : 2)

Reg. No.....

Name.....

**B.TECH. DEGREE EXAMINATION, MAY 2016**

**Sixth Semester**

Branch : Computer Science and Engineering/Information Technology

CS 010 606 L04/IT 010 606 L03—UNIX SHELL PROGRAMMING—(Elective I) (CS, IT)

(New Scheme—2010 Admission onwards)

[Regular/Improvement/Supplementary]

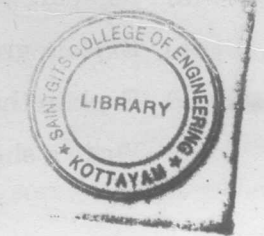
Time : Three Hours

Maximum : 100 Marks

**Part A**

*Answer all questions.  
Each question carries 3 marks.*

1. List various kinds of UNIX files.
2. Explain the use of tee utility.
3. Explain how devices are represented in UNIX.
4. How will you count the number of blank lines in a UNIX file ?
5. What are zombies ?



(5 × 3 = 15 marks)

**Part B**

*Answer all questions.  
Each question carries 5 marks.*

6. Explain the UNIX file system hierarchy.
7. Explain how security is implemented in UNIX, with examples.
8. Write a note on various editors in UNIX.
9. Give the uses of the commands : diff, uniq, cmp, head, nice.
10. Write a note on signals in UNIX.

(5 × 5 = 25 marks)

**Part C**

*Answer all questions.  
Each full question carries 12 marks.*

11. (a) Explain the word processing commands : nroff, troff.  
(b) List the process related utilities in UNIX.

Or

Turn over

12. (a) Explain mount and unmount operations, with examples.  
(b) List the file handling utilities in UNIX.
13. (a) Define regular expression. List regular expression operators with examples.  
(b) Give the uses of cut and paste commands, with examples.

Or

14. (a) Explain the use of pipes, with examples.  
(b) Explain the uses of sort command, with examples.
15. Explain the use of awk command, with suitable examples.

Or

16. (a) Compare sed with ed command.  
(b) Explain grep command.
17. (a) Explain the use of make command, with examples.  
(b) Write a shell script to find the largest of three given integers.

Or

18. Write a shell script to print the sum of digits of a given number.
19. (a) Explain the configuration of squid proxy server.  
(b) Explain uses of fork ( ) and exec ( ) functions.

Or

20. Explain X window systems. How is it started and stopped ?

(5 × 12 = 60 marks)

