S6 CS (NEW)

G 1254 (Pages : 2) Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, MAY 2015

Sixth Semester

Branch : Computer Science and Engineering

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. Write a note on UNIX versions and standards.
2. How will you compare two files in UNIX ?
3. What is darmon process ? Give examples.
4. Write a script that will add two numbers, which are supplied as command line arguments.
5. Explain the use of exec command.

(5 × 3 = 15 marks)

Part B

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

6. Explain the architecture of UNIX.
7. Explain various environment variables in UNIX.
8. Write a note on inode.
9. Give the uses of the commands : nice, touch, tail, df, chmod.
10. Write a note on Xterm.

(5 × 5 = 25 marks)

Part C

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

11. (a) Explain mount and unmount operations, with examples.

    (b) List the features of various editors in UNIX.

Or

Turn over

12. (a) Explain various networking related commands.

    (b) How processes are created and terminated ? How can a process be run in background ? Give examples.

13. (a) Explain pipe and filter utility in UNIX.

    (b) Explain the uses of sort command with suitable examples.

Or

14. (a) Explain different commands for comparing files, with suitable examples.

    (b) Define regular expression. List regular expression operators with examples.

15. (a) Explain sed command with examples. Compare it with other editors.

    (b) Compare grep and awk.

Or

16. Explain the use of grep command, with suitable examples.

17. Write a shell script to print a number in reverse order.

Or

18. (a) Write a shell script to check whether an input number is even or odd.

    (b) Explain parameter passing in shell scripts.

19. Explain the architecture of X Window system.

Or

20. (a) Explain various signals available in UNIX.

    (b) List the network management tools in UNIX.

(5 × 12 = 60 marks)