

B.TECH. DEGREE EXAMINATION, MAY 2014**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. What are the features of UNIX? Explain.
2. What is a pipe?
3. List some of the applications of awk.
4. Explain the features of KORN Shell.
5. Explain the use of Telnets.

(5 × 3 = 15 marks)

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

6. Explain the process utilities.
7. Explain briefly with example job control.
8. Bring out the user defined functions. Explain the uses of these functions.
9. What are environmental variables? Explain with examples.
10. Give a brief description of Client Server Mechanisms.

(5 × 5 = 25 marks)

Turn over

Part C

Answer all questions.

Each question carries 12 marks.

11. Explain the Process utilities and Disk utilities with examples.

Or

12. Give a brief description of UNIX File System.

13. With examples, explain Command execution and Command substitution.

Or

14. What is a filter? Explain the filter utilities of UNIX.

15. Using grep, explain with example how the file searching is done?

Or

16. With examples, discuss the applications of awk, grep and sed.

17. Discuss the features of different types of shells.

Or

18. Explain the command history and command execution process.

19. Give a brief description of process creation and methods of sending signals to processes.

Or

20. Explain with proper examples the network management.

(5 × 12 = 60 marks)