

B.Sc. (I.T.) Semester – VI
Paper No. 603: Linux Programming

Time: 2 ½ Hours

April - 2016 Code = 4813 **Total Marks: 70**

- Q.1 (a) Explain basic architecture of UNIX/LINUX Operating System. [7]
(b) Explain the commands : ls, chkdsk, cat, mkdir, pwd, cp, file. [7]
- OR
- Q.1 (a) Discuss basic features of Linux Operating System in detail. [7]
(b) Explain Linux file system in detail. [7]
- Q.2 (a) Discuss process fundamentals in depth. [7]
(b) Discuss the commands: nice, kill, ps, who, expr, sort, cut. [7]
- OR
- Q.2 (a) Explain the vi editor with proper example. [7]
(b) Explain connecting and redirecting concept in terms of processes of Linux. [7]
- Q.3 Write notes on: [14]
1. Role of system administrator
2. Starting and using X desktop
3. Creating and managing groups
- OR
- Q.3 Write short notes on: [14]
1. Reconfiguring hardware with Kudzu.
2. KDE and GNOM E Graphical interface.
- Q.4 (a) Compare and contrast various shells available in LINUX. [10]
(b) Explain conditional statements in shell. [4]
- OR
- Q.4 (a) Write a note on basics of shell programming. [9]
(b) Discuss looping statement in detail. [5]
- Q.5 Discuss commands in detail: pr, tail, sort, grep, sed, uniq and egrep. [14]
- OR
- Q.5 Write a note on awk programming. Explain report printing with awk in detail. [14]
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