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Total No. of Questions : 11]   [Total No. of Printed Pages : 4

B.E. VIth Semester (CGPA) Examination, 2017

EF–255

CSE
(Unix Internals, Shell Prog. & Linux)
Paper : CS-603

Time : 3 Hours]   [Maximum Marks : 60

Note :– Question No. 1 is compulsory. Attempt *one* question (including all parts) from each Unit. Assume missing data, if any, suitably.

1. Explain the following questions in brief :

   (a) What is C Shell ?

   (b) Explain man command with its option.

   (c) Explain the 'HERE' document.

   (d) Define Mounting and Un-mounting CD-ROM.

   (e) Discuss the crypt command.   2×5=10

SS–255   (1)   Turn Over

Unit–I

2. (a) What are the internal and external commands in UNIX ? Explain three of them each with example.

   (b) Discuss the important features of UNIX operating system.

Or

3. (a) Mention the different categories of files that exist in UNIX. Discuss each one of them briefly.

   (b) Explain the following environment variables :

   (i) IFS   (ii) PS1

   (iii) TERM   (iv) PATH   5,5

Unit–II

4. (a) Explain the following commands with example :

   (i) mkdir   (ii) Ls-1

   (iii) echo   (iv) cd

   (v) cut

   (b) With example, explain TIME and LOCK commands.

Or

5. (a) What is standard input and standard output ? How do you achieve redirection using pipes and tree ? Explain with an example.

   (b) What are the differences between Softlink and Hardlink ? Give examples.   5,5

SS–255   (2)

Unit–III

6. (a) List and example the Extended Regular Expression (ERE) set used by grep and awk.

   (b) Explain the three modes of Vi editor.

Or

7. (a) Explain the mechanism of process a creation.

   (b) Explain wall, talk and mail command as related to communication under UNIX OS.   5,5

Unit–IV

8. (a) Mention some of the wild card that could be used with the shell and explain the special meanings associated with them in shell environment. If required how can you despecilize the wild cards ?

   (b) Write a shell script to create a menu which displays the list of files, current users, and contents of a particular file and process status of the system based on the user choice.

Or

9. (a) What are the shell parameters $*, $#, .#? and $$? Discuss briefly.

   (b) How can you input data to a shell script interactively ? Discuss.   5,5

Unit–V

10. (a) Explain in detail Telnet.

    (b) Explain commands for file management operations in LINUX.

Or

11. (a) Discuss the various partitions of hard disk on which a file system is implemented.

    (b) Explain different access permissions in LINUX. How do you change file access permission ?   5,5