R13

Code: 13A04806

B.Tech IV Year II Semester (R13) Regular & Supplementary Examinations April 2018
LINUX PROGRAMMING & SCRIPTING
(Electronics and Communication Engineering)

Time: 3 hours   Max. Marks: 70

PART – A
(Compulsory Question)
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1   Answer the following: (10 X 02 = 20 Marks)
   (a)   Explain the difference between a line editor and stream editor
   (b)   Draw the structure of inode in Linux.
   (c)   Illustrate the usage of trace route command.
   (d)   How is the nslookup command useful?
   (e)   How does an array data type in perl differ from other traditional programming languages?
   (f)   How does perl differentiate single quotes and double quotes?
   (g)   How does { } differ from [ ] in TCL scripting convention?
   (h)   Explain the usage of LIST data type in TCL.
   (i)   How do we write a multi line statement in PYTHON? Show with an example.
   (j)   Differentiate between lists and tuples in PYTHON.

PART – B
(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

2   Explain the Linux file system in detail.

OR

3   (a)   Write a shell script to count the lines in a file.
    (b)   Write a shell script to sort a set of integers using selection sort.

UNIT – II

4   Explain how to:
   (a)   Establish connection.
   (b)   Upload files, download files and terminated connection in Linux using FTP.

OR

5   Explain about domain name services in detail.

UNIT – III

6   Write a perl to open a file, write and append text into the file.

OR

7   Write a perl script to determine whether a given integer is a palindrome or not using recursion.

UNIT – IV

8   Explain the functioning of geometry manager in TK.

OR

9   Describe basic widgets of TK in detail.

UNIT – V

10   Explain exception handling in PYTHON.

OR

11   Describe the core modules of standard PYTHON library.

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