



Code: 13A04806

B.Tech IV Year II Semester (R13) Regular &amp; 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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