

Code: 13A04806

B.Tech IV Year II Semester (R13) Regular Examinations April 2017

**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) Explain about the command creating a directory with example.
  - (c) Why to use NFS?
  - (d) What are configuration files of NFS server?
  - (e) How will you define and call a subroutine in PERL?
  - (f) What are features of PERL scripting?
  - (g) Write a program in TCL to find whether a given number is odd or even.
  - (h) Explain how an array can pass into a procedure.
  - (i) Write a note on classes in python.
  - (j) Name the file related modules in python.

**PART – B**

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

**UNIT – I**

- 2 List the various permissions used for files and directories in Linux? How can you change the permissions using chmod. Chgrp, chown, commands.

**OR**

- 3 (a) What is kernel and explain its functions?  
(b) Explain the following commands: (i) pwd (ii) echo (iii) cd (iv) ls

**UNIT – II**

- 4 Discuss different data structures in the Linux network implementation.

**OR**

- 5 Write a detailed note on File transfer protocol in Linux.

**UNIT – III**

- 6 Write about the data structures used in PERL scripts.

**OR**

- 7 What are regular expressions? Explain briefly about pattern matching, substitution and translation operators in PERL.

**UNIT – IV**

- 8 Explain **switch** and **for** syntax in TCL with example.

**OR**

- 9 Discuss in detail defining a command **call back** in button.

**UNIT – V**

- 10 Explain exception handling mechanism in python.

**OR**

- 11 Write about data structures used in python script.

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