Roll No.

BT-7/D06

9419

8

Unix and Linux Programming

Paper-CSE-471

Time : Three Hours]

[Maximum Marks : 75

Note :- Attempt any **FIVE** questions, selecting at least **ONE** question from each unit.

UNIT-I

- 1. (a) Explain the UNIX file system and various categories of files.
 - (b) Explain the i-node structure and the commands related to the file system.
 7
 5

2. (a) Describe the shell functions.

(b) Write a shell script to display the number of words and number of lines present in a given file.

UNIT-II

- 3. (a) Explain the main strength of Perl language. How is it better than Awk Language ? 6
 - (b) Find out the occurrences of three consecutive and identical word characters (like aaa or bbb) using (i) grep (ii) sed. 9
- 4. (a) (i) How do these expressions differ ?
 - (i) $[0-9]^*$ and $[0-9][0-9]^*$
 - (ii) ^ [^ ^] and ^ ^
 - (ii) What does grep " ^ \ * " look for ? Is the \ really necessary ?

(b) Explain the text editing feature of sed using suitable examples.

7

Contd.

9419

Download all notes and papers at StudentSuvidha.com

UNIT-III

- (a) How will you copy two groups of ten and five lines each from 8 one file to another ? 7
- (b) Explain the features of gcc compiler along with options.
- (a) Write down the various steps in tracing a program using gdb.

8

7

- (b) Explain the concept of statically linked and dynamically linked 7 programs.
- (a) What is Init? What is its use? 7.

Sem.

0

2500

5.

6.

- (b) Explain the shuttling down process for linux system with its 8 option.
- (a) Explain the Password file and various fields in each of its 8. 7 entry. 8

UNIT-IV

(b) .Explain various job control facilities to manipulate jobs.

as sugart in The digits in su