

# C.U.SHAH UNIVERSITY

## Summer Examination-2019

**Subject Name : Linux Programming**

**Subject Code : 4CS06BLN1**

**Branch: B.C.A.**

**Semester : 6**

**Date : 20/04/2019**

**Time : 10:30 To 01:30**

**Marks : 70**

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

<b>Q-1</b>	<b>Attempt the following questions:</b>	<b>(14)</b>
	a) What is Linux?	1
	b) Who is pseudo user?	1
	c) What is the extension of Shell script file?	1
	d) Give the syntax of cat command	1
	e) List the different modes of VI editor.	1
	f) What is signal.?	1
	g) Which command reads user input from the terminal and assign this value to a variable name?	1
	h) Which command is used to display calendar on screen?	1
	i) What are Special files?	1
	j) What is Kernel?	1
	k) Which Command is used to know the current working directory?	1
	l) Which command is used to list all running Process?	1
	m) What is FIFO in linux?	1
	n) What do you mean by immutable file attribute?	1

**Attempt any four questions from Q-2 to Q-8**

<b>Q-2</b>	<b>Attempt all questions</b>	<b>(14)</b>
	a) Write a note on AWK Command	<b>07</b>
	b) Explain Linux Architecture in detail.	<b>07</b>
<b>Q-3</b>	<b>Attempt all questions</b>	<b>(14)</b>
	a) Explain Filters and Process handling utilities.	<b>07</b>
	b) Explain any seven File handling utilities.	<b>07</b>
<b>Q-4</b>	<b>Attempt all questions</b>	<b>(14)</b>
	a) List types of users in linux and explain each.	<b>07</b>
	b) Explain Ext3 File system in detail.	<b>07</b>
<b>Q-5</b>	<b>Attempt all questions</b>	<b>(14)</b>
	a) What is Process? List out types of process & Explain any 3 in detail.	<b>07</b>



- b) What is shell? Write a note on different types of shell. **07**
- Q-6 Attempt all questions (14)**
- a) Explain all File Attributes in Linux. **05**
- b) Explain IPC in detail **05**
- c) Explain PIPE and FIFO in brief. **04**
- Q-7 Attempt all questions (14)**
- a) Explain Linux Features in detail. **07**
- b) Describe how to manage user through command Line. **07**
- Q-8 Attempt all questions (14)**
- a) Write a shell script to reverse the given number. **05**
- b) Write a shell script to Print sum of digits. **05**
- c) Differentiate Symbolic link and Hard link. **04**

