C.U.SHAH UNIVERSITY
Summer Examination-2018

Subject Name : Linux Programming

Subject Code : 4CS06BLN1   **Branch: B.C.A.**

Semester :6   **Date : 25/04/2018**   **Time : 02:30 To 05:30**   **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.

Q-1	**Attempt the following questions:**	**(14)**
a)	What is shell?	
b)	Define the term of Kernel.	
c)	Who is the inventor of Unix?	
d)	What is the role of chown command in Linux?	
e)	What is file System?	
f)	Which process entered data in process table.	
g)	What is the use of PWD command?	
h)	What is Signals?	
i)	Which Command is used to change file permission?	
j)	Which Command is used to create a directory?	
k)	What is shell script?	
l)	What is the role of wc command?	
m)	Give the Full form of IPC.	
n)	Who is pseudo user?	

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

Q-2		**Attempt all questions**	
	1	What is Unix? Explain Unix architecture	**5**
	2	Write a note on ext2 file System.	**5**
	3	Explain types of shell.	**4**
Q-3		**Attempt all questions**	
	1	What is Linux? Explain Linux architecture.	**5**
	2	What is user? Explain Types of user in Linux.	**5**
	3	Describe how to manage user through command line.	**4**
Q-4		**Attempt all questions**	
	1	Explain types of process.	**5**
	2	Explain features of Unix.	**5**
	3	Explain Symbolic link and Hard link.	**4**

Q-5		**Attempt all questions**	
	1	Explain File handling utilities Command	**5**
	2	Explain Filters utilities Command with example.	**5**
	3	Explain process utilities Command.	**4**
Q-6		**Attempt all questions**	
	1	Explain VI Editor? Explain different modes in VI Editor.	**7**
	2	Write a note on Sed Script with Sed Operation and Sed Command.	**7**
Q-7		**Attempt all questions**	
	1	Write a note on awk Command.	**5**
	2	Explain the power of root user.	**5**
	3	Explain Linux distributions.	**4**
Q-8		**Attempt all questions**	
	1	Write a shell Script to accept a number from the user and print sum of digit.	**5**
	2	Write a shell Script to calculate factorial of a number.	**5**
	3	Write a shell Script to accept two number from the user and find minimum number out of them.	**4**