

M-190147**B.Tech. EXAMINATION, 2019**

Semester VI (CBS)

LINUX ADMINISTRATION**CS-604**

Time : 3 Hours

Maximum Marks : 60

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt *one* question from each Unit. Q. No. 9 is compulsory.

Unit I**1×10=10**

1. Write down difference between Linux and Windows.
2. Write short notes on the following commands :
 - (a) chown
 - (b) du

- (c) cp
- (d) find
- (e) who.

Unit II**1×10=10**

3. Write short notes on the following :
 - (a) SMTP
 - (b) IMAP.
4. Write short notes on the following :
 - (a) DNS
 - (b) SSH-public key cryptography.

Unit III**1×10=10**

5. What is NIS ? How to configure and secondary NIS server and client ?
6. Write short notes on the following :
 - (a) SAMBA-Administration
 - (b) Virtualization.

Unit IV**1×10=10**

7. Write short notes on the following :
 - (a) Daemons
 - (b) Linux process control.

8. Write a shell script to find a^b . Two numbers a, b are entered through the keyboard.
9. Do as directed : **2×10=20**
- (a) Write down the full form of the following :
- (i) NFS
 - (ii) FTP
 - (iii) GNOME
 - (iv) DHCP
 - (v) POP.
- (b) Explain the following command with example :
- (i) *pwd*
 - (ii) *telnet*
 - (iii) *df*
 - (iv) *sudo*
 - (v) *grep*.