BRAINWARE UNIVERSITY

Term End Examination 2022
Programme – M.Sc.(ANCS)-2022
Course Name – Linux System Engineering-I
Course Code - MNCS103
(Semester I)

Full Marks : 60   **Time : 2:30 Hours**

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A
(Multiple Choice Type Question)   1 x 15=15

1. *Choose the correct alternative from the following :*

(i)   Identify single user mode shell runs as

a) Admin user   b) Root user
c) Normal User   d) Log user

(ii) Select how do you rename file a new to file a old ?

a) mv new old   b) move new old
c) cp new old   d) del new old

(iii) Select how many types of modes are used by vi editor?

a) 2   b) 3
c) 4   d) 1

(iv) Classify Unix is which kind of Operating System?

a) Multi User   b) Multi Processes
c) Multi Tasking   d) All of the mentioned

(v)   Classify how do you get help about the command cp ?

a) help cp   b) man cp
c) cp p ?   d) none of the mentioned

(vi) Classify which command creates an empty file,if file does not exist?

a) cat   b) touch
c) ed   d) read

(vii) Choose which command helps you to see the system date?

a) $ dd   b) $ dy
c) $ date   d) $dt

(viii) Choose In Linux everything stored as a

a) file   b) directory
c) executables   d) None of the above

(ix) Show which directory in Linux contains all the config file of the system?

    a) /etc   b) /var
    c) /lib   d) /bin

(x) Select Hard disk partition is prefixed by

    a) hd   b) hda2
    c) hda3   d) dha

(xi) All directories are stored under one main directory called

    a) Server   b) Home
    c) Folder   d) Root

(xii) Choose the establishing the connection between a file system on a storage device and our main directory tree is called as

    a) sharing   b) changing
    c) mounting   d) unmounting

(xiii) Choose which of the option with the rm command removes directory with files forcefully?

    a) rm -d   b) rm -a
    c) rm -rf   d) rm -ff

(xiv) Write which command is used to get the kernel version in Linux?

    a) uname -r   b) kernel
    c) uname -n   d) uname -s

(xv) Express which of the following command is used to create file in Linux?

    a) touch   b) cat
    c) echo   d) ready

Group-B
(Short Answer Type Questions)   3 x 5=15

2. Write the use of chmod and chown command with suitable example.   (3)
3. Discuss about useradd and userdel commands with options in Linux.   (3)

4. Differentiate SUID and SGID?   (3)
5. Explain read, write and execute permission between file and directory in Linux?   (3)
OR
    Explain /bin and /sbin   (3)
6. Write the benefits of LVM?   (3)
OR
    Write each field of /etc/passwd   (3)

Group-C
(Long Answer Type Questions)   5 x 6=30

7. Write short notes on Access Control List(ACL) & UUID   (5)
8. Summarize /etc/shadow file with suitable example.   (5)
9. Write short notes on LVM & its uses   (5)
10. Describe Linux directory structure.   (5)
11. Explain How to check first few and last few lines of any Linux file   (5)
12. Explain the DORA process briefly with diagram.   (5)
OR
    Differentiate RPM & YUM   (5)

****