



BRAINWARE UNIVERSITY

Term End Examination 2020 - 21

Programme – Master of Science in Advanced Networking & Cyber Security

Course Name – Linux System Engineering-II

Course Code - MNCS301

Semester / Year - Semester III

Time allotted : 75 Minutes

Full Marks : 60

[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 60=60

1. (Answer any Sixty)

(i) Which of the following is not a secure shell protocol?

- | | |
|-----------------------------|---------------------------------|
| a) Transport Layer Protocol | b) Secure Layer Protocol |
| c) Connection Protocol | d) User Authentication Protocol |

(ii) Secure shell (SSH) network protocol is used for _____

- | | |
|------------------------------|------------------------------|
| a) secure data communication | b) remote command-line login |
| c) remote command execution | d) all of these |

(iii) SSH uses _____ to authenticate the remote computer.

- | | |
|-------------------------------------|----------------------------------|
| a) public-key cryptography | b) private-key cryptography |
| c) any of public-key or private-key | d) both public-key & private-key |

(iv) Which standard TCP port is assigned for contacting SSH servers?

- | | |
|------------|------------|
| a) port 21 | b) port 22 |
| c) port 23 | d) port 24 |

(v) Which one of the following is a file transfer protocol using SSH?

- | | |
|----------|-----------------|
| a) SCP | b) SFTP |
| c) Rsync | d) all of these |

(vi) Full form of YUM is:-

- a) Yellow Update Manager
- b) Yellow Upload Manager
- c) Both Yellow Update Manager and Yellow Upload Manager
- d) none of these

(vii) How could you install the package ipchains-1.3.9-5.i386.rpm?

- a) rpm -qip ipchains
- b) rpm -ivh ipchains* .i386.rpm
- c) rpm -Uvh ipchains
- d) rpm -e ipchains-1.3.9-5.i386.rpm

(viii) Which command changes a file's group owner

- a) cgrep
- b) change
- c) chgrp
- d) group

(ix) Which of the following commands can be used to change default permissions for files and directories at the time of creation

- a) chmod
- b) umask
- c) chown
- d) chgrp

(x) How do you rename file 'new' to file 'old'?

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

(xi) The full form of selinux is

- a) Security Enhanced Linux
- b) Security Encoded Linux
- c) Security Enabled Linux
- d) Security Enriched Linux

(xii) To see the status of the Selinux

- a) setsebool
- b) sestatus
- c) setenforce
- d) semanage

(xiii) Which one of the following is not true?

- a) multiple hostnames may correspond to a single IP address b) a single hostname may correspond to a single IP address
c) a single hostname may correspond to many IP addresses d) none of these

(xiv) The ____ translates internet domain and host names to IP address.

- a) Domain name system b) Network time protocol
c) Routing information protocol d) Internet relay chat

(xv) Zone is defined in a ____ file of primary DNS Server

- a) /etc/dns.conf b) /etc/named.conf
c) /etc/bind.conf d) /etc/named/named.conf

(xvi) allow-transfer { IP address; }; IP address refers

- a) Master DNS Server b) DHCP Server
c) Slave DNS Server d) YUM server

(xvii) /etc/resolv.conf file is used to store the IP address of

- a) DHCP Server b) NFS Server
c) DNS Server d) HTTP Server

(xviii) Which one of the following protocol is not used to send and receive mail messages?

- a) SMTP b) Post Office Protocol (POP)
c) Internet Message Access Protocol (IMAP) d) FTP

(xix) SMTP is not used to deliver messages to _____

- a) User's terminal b) User's mailbox
c) User's word processor d) User's email client

(xx) Which among the following interacts directly with system hardware?

- a) Shell
- b) Commands
- c) Kernel
- d) Applications

(xxi) Which option of ls command used to view file inode number

- a) -l
- b) -o
- c) -a
- d) -i

(xxii) How to install package via Yum

- a) Yum install <package name>
- b) Yum list <package name>
- c) Yum conf <package name>
- d) Yum installation <package name>

(xxiii) Which one of the following is a mount point for a temporarily mounted filesystem?

- a) /mnt directory
- b) /dev directory
- c) /media directory
- d) none of these

(xxiv) Which of the following command can be used to change the user password?

- a) user can't change the password
- b) passwd
- c) Passwd
- d) pwd

(xxv) Following are some of the file sharing protocols

- a) Telnet
- b) FTP
- c) NFS & CIFS
- d) HTTP

(xxvi) Using file access protocols, data residing on which of the following can be accessed:

- a) Local disk
- b) Both Local disk & Remote disk
- c) Remote disk
- d) Neither Local disk.or Remote disk.

(xxvii) NFS stands for

- a) Null File System
- b) Network File System
- c) New File System
- d) Netware File Server

(xxviii) CIFS doesn't support the following

- a) Oplocks
- b) Unicode support
- c) Batch command
- d) Stateless

(xxix) CIFS was originally derived from

- a) PCB
- b) SMB
- c) NTFS
- d) NIS

(xxx) SMB was originally developed by

- a) IBM
- b) 3COM
- c) Microsoft
- d) Intel

(xxxi) RPC is used for

- a) transporting data over the network
- b) reporting process control
- c) executing program on different computer
- d) none of these

(xxxii) A file can be recognized as an ordinary file or directory by _____ symbol.

- a) \$
- b) *
- c) -
- d) /

(xxxiii) Permissions of a file are represented by which of the following characters?

- a) r,w,x
- b) x,w,e
- c) e,w,x
- d) e,x,w

(xxxiv) Which command(s) is/are used to get help about a command in Linux?

- a) info
- b) man
- c) Both info and man
- d) none of these

(xxxv) Which command is used see the list of users who are currently logged-in?

- a) login
- b) who
- c) users
- d) which

(xxxvi) How can you add Amit, a new user, to your system?

- a) Using useradd
- b) Using linuxconf
- c) Using adduser
- d) none of these

(xxxvii) What module is cached sized used with?

- a) mod_proxy
- b) mod_usertrack
- c) mod_ssl
- d) mod_alias

(xxxviii) What is the command to check the version of the Apache Server?

- a) rpm -qa|grep|version http|
- b) rpm -qa|check http|version
- c) rpm -qa|grep httpd
- d) rpm -qa|grep http|version

(xxxix) How do you change the default web root in Apache Server?

- a) Change the DocumentRoot in httpd.server file
- b) Change the DocumentRoot in httpd.root file
- c) Change the DocumentRoot in httpd.admin file
- d) Change the DocumentRoot in httpd.conf file

(xl) The /proc directory contains

- a) Numerical sub-directory for each running process
- b) Sub-directories for installed buses
- c) A text listing of filesystems which are supported by the kernel
- d) all of these

(xli) Which is the only partition mounted in Single user mode

- a) boot
- b) usr
- c) root
- d) tmp

(xlii) Which command is used to display the unix version

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

(xliii) The process id of init process is:

- a) -1
- b) 0
- c) 1
- d) 2

(xliv) The dmesg command

- a) Shows user login logoff attempts
- b) Shows the syslog file for info messages
- c) kernel log messages
- d) Shows the daemon log messages

(xlv) Which command is used to identify file type?

- a) Type
- b) File
- c) Finfo
- d) Info

(xlvi) At the end of kernel bootstrap, which process is started?

- a) /etc/init
- b) /etc/sched
- c) /etc/swap
- d) /etc/kernel

(xlvii) Which one of the following statement is not true?

- a) vim editor is the improved version of vi editor
- b) vi editor has two modes of operation: command mode and insert mode
- c) vi editor commands are not case sensitive
- d) vi stands for visual editor

(xlviii) Which vi editor command copies the current line of the file?

- a) yy
- b) yc
- c) yw
- d) none of these

(xlix) What command is used to copy files and directories?

- a) copy
- b) rn
- c) cp
- d) cpy

(l) What are the types of aggregate functions in MariaDB?

- a) MariaDB COUNT Function
- b) MariaDB SUM Function
- c) MariaDB MIN Function
- d) all of these

(li) What are the different types of clauses used in MariaDB?

- a) MariaDB Where Clause
- b) MariaDB Like Clause
- c) Both MariaDB Where Clause and MariaDB Like Clause
- d) none of these

(lii) Which command is used to change password of your Linux system?

- a) password
- b) change -p
- c) pass
- d) passwd

(liii) What does GNU stand for?

- a) GNU's not Unix
- b) General Unix
- c) Greek Needed Unix
- d) General Noble Unix

(liv) Expansion of FTP is _____

- a) Fine Transfer Protocol
- b) File Transfer Protocol
- c) First Transfer Protocol
- d) Fast Transfer Protocol

(lv) Identify the incorrect statement regarding FTP.

- a) FTP stands for File Transfer Protocol
- b) FTP uses two parallel TCP connections
- c) FTP sends its control information in-
- d) FTP sends exactly one file over the data

band

connection

(lvi) The password is sent to the server using _____ command

a) PASSWD

b) PASS

c) PASSWORD

d) PWORD

(lvii) FTP server listens for connection on port number

a) 20

b) 21

c) 22

d) 23

(lviii) In which mode FTP, the client initiates both the control and data connections.

a) active mode

b) passive mode

c) both active mode and passive mode

d) none of these

(lix) What is the default home directory in FTP

a) /var/www/html

b) /etc/squid/squid.conf

c) /var/ftp/pub

d) /etc/host.conf

(lx) Which command is used to extract a column from a text file

a) paste

b) get

c) cut

d) tar