

## **BRAINWARE UNIVERSITY**

## **Term End Examination 2021 - 22**

## Programme – Master of Science in Advanced Networking & Cyber Security Course Name – Linux System Engineering – II

Course Code - MNCS203 (Semester II)

Time allotted: 1 Hrs.15 Min. Full Marks: 60

[The figure in the margin indicates full marks.

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Gı	roup-A	
(Multiple Choice Type Question)		1 x 60=60
Choose the correct alternative from the follow	ving:	
(1) Which is the lowest level in the SSH protoc	col stack?	
a) SSH Transport Layer Protocol	b) TCP	
c) IP	d) SSH User Authentication	Protocol
(2) SSH can be used in only		
a) unix-like operating systems	b) windows	
c) both unix-like and windows systems	d) none of these	
(3) Which standard TCP port is assigned for co	ontacting SSH servers?	
a) port 21	b) port 22	
c) port 23	d) port 24	
(4) Which one of the following protocol can be except SSH?	e used for login to a shell on a ren	note host
a) telnet	b) rlogin	
c) both telnet and rlogin	d) none of these	
(5) Which one of the following is a file transfer	r protocol using SSH?	
a) SCP	b) SFTP	
c) Rsync	d) all of these	
(6) How to check the installed software(rpm's)	on Redhat Linux ?	
a) rpm -qa  grep package_name	b) rpm -la  grep package_na	me*
c) rpm -aa  grep package_name*	d) rpm -ivh package_name*	:
(7) Which command is used to set SELINUX v	variable	

b) getsebool

d) service

a) chkconfig

c) setsebool

(8) What command is used to list contents of direct	tories?
a) tar	b) ls
c) dir	d) lp
(9) pwd command displays	
a) user password	b) present working directory
c) password file content	d) none of the mentioned
(10) Command used to count number of character in	a file is
a) grep	b) count
c) wc	d) cut
(11) 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
(12) The main configuration file(Not link file) of sel	inux is:-
a) /etc/sysconfig/selinux	b) /etc/selinux/config
c) /etc/selinux	d) /etc/sysconfig/config
(13) DNS database contains	
a) Name server records	b) Hostname aliases
c) Hostname-to-address records	d) all of these
(14) The translates internet domain and host na	ames to IP address.
a) Domain name system	b) Network time protocol
c) Routing information protocol	d) Internet relay chat
(15) 'PTR' record is used in	
a) Forward lookup zone	b) Reverse lookup zone
<ul> <li>c) Both Forward lookup zone and Reverse lookup zone</li> </ul>	d) None of these
(16) 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
(17) allow-transfer { IP address; }; IP address refers	
a) Master DNS Server	b) DHCP Server
c) Slave DNS Server	d) YUM server
(18) Change hostname by modifying filesys	tem
a) /etc/hosts	b) /etc/sysconfig/network-script/ifcfg-lo
c) /etc/sysconfig/network	d) None of these
(19) /etc/resolv.conf file is used to store the IP addre	ess of
a) DHCP Server	b) NFS Server
c) DNS Server	d) HTTP Server
(20) Simple mail transfer protocol (SMTP) utilizes protocol for electronic mail transfer.	as the transport layer
a) TCP	b) UDP
c) DCCP	d) SCTP
(21) SMTP uses which of the following TCP port?	

a) 22	b) 23
c) 21	d) 25
(22) An email client needs to know the	of its initial SMTP server.
a) IP address	b) MAC address
c) URL	d) Name
(23) SMTP defines	
a) Message transport	b) Message encryption
c) Message content	d) Message password
(24) When the mail server sends mail to other mail	servers it becomes
a) SMTP server	b) SMTP client
c) Peer	d) Master
(25) Which of the following is an example of user	agents for e-mail?
a) Microsoft Outlook	b) Facebook
c) Google	d) Tumblr
(26) Which is the core of the operating system?	
a) Shell	b) Kernel
c) Commands	d) Script
(27) Which option of ls command used to view file	e inode number
a) –l	b) -o
c) –a	d) –i
(28) Find / -name '*' will	
<ul><li>a) List all files and directories recursively starting from /</li></ul>	b) List all files in / directory
c) List a file named * in /	d) List all files and directories in / directory
(29) How to install package via Yum	
a) Yum install	b) Yum list
c) Yum conf	d) Yum installation
(30) Which one of the following is a mount point f	or a temporarily mounted filesystem?
a) /mnt directory	b) /dev directory
c) /media directory	d) none of these
(31) Which of the following files need to be referred	ed for user's secondary group?
a) /etc/passwd	b) /etc/group
c) /etc/shadow	d) /etc/profile
(32) Following are some of the file sharing protoco	ols
a) Telnet	b) FTP
c) NFS & CIFS	d) HTTP
(33) NFS & CIFS are	
a) Filesystems	b) Transport protocols
c) Operating systems	d) File access protocols
(34) NFS stands for	
a) Null File System	b) Network File System
c) New File System	d) Netware File Server
(35) Which file would you edit to mount an NFS fi	llesystem at system boot time?

a) /etc/fstab	b) /etc/vfstab
c) /etc/dfs/dfstab	d) /etc/nfstab
(36) Which command would mount the directory to the local mount point /opt/sf	utilities from the server named linux on
a) mount -f nfs /sf:linux /opt/sf	b) mount -F nfs linux:/opt/sf/sf
c) mount -F nfs linux:/sf/opt/sf	d) mount /opt/sf linux:/sf
(37) CIFS doesn't support the following	
a) Oplocks	b) Unicode support
c) Batch command	d) Stateless
(38) CIFS was originally derived from	
a) PCB	b) SMB
c) NTFS	d) NIS
(39) SMB was originally developed by	
a) IBM	b) 3COM
c) Microsoft	d) Intel
(40) A file can be recognized as an ordinary file or	r directory by symbol.
a) \$	b) *
c) –	d) /
(41) Permissions of a file are represented by which	n of the following characters?
a) r,w,x	b) x,w,e
c) e,w,x	d) e,x,w
(42) What is the default port of HTTP and HTTPS	\$
a) 80 and 443	b) 80 and 21
c) 443 and 80	d) 21 and 23
(43) How to verify httpd.conf file to ensure no cor	nfiguration syntax error
a) httpd -p	b) httpd -t
c) httpd -s	d) httpd -n
(44) Which command(s) is/are used to get help about	out a command in Linux?
a) info	b) man
c) Both info and man	d) none of these
(45) Which command is used see the list of users v	who are currently logged-in?
a) login	b) who
c) users	d) which
(46) my command can be used to ?	
a) Move the file to different directory.	b) Renaming a file
c) Both Move the file to different directory and Renaming a file	d) Only move the file to different directory.
(47) Proc filesystem provides the information about	ut
a) processes	b) proxy server
c) processor	d) none of these
(48) What is the default extension for Apache Cor	afiguration File?
a) .con	b) .txt
c) .conf	d) .configuration

a) rpm -qa grep version http	b) rpm -qa check http version
c) rpm -qa grep httpd	d) rpm -qa grep http version
(50) How do you change the default web root in A	pache Server?
<ul> <li>a) Change the DoccumentRoot in httpd.server file</li> </ul>	b) Change the DoccumentRoot in httpd.root file
c) Change the DoccumentRoot in httpd.admin file	d) Change the DoccumentRoot in httpd.conf file
(51) Which log file is maintained by the Apache H	TTP server?
a) Apache/logs/access.log	b) Apache/logs/error.log
c) Apache/access/file.log	d) Both Apache/logs/access.log and Apache/logs/error.log
(52) 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
(53) Which command is used to display the unix v	ersion
a) uname -r	b) uname -t
c) uname -n	d) kernel
(54) The process id of init process is:	
a) -1	b) 0
c) 1	d) 2
(55) 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
(56) Which command creates an empty file if file of	does not exist?
a) Cat	b) ed
c) touch	d) read
(57) Which command is used to set terminal IO ch	aracteristic?
a) tty	b) ctty
c) ptty	d) stty
(58) Which of these commands could you use to sl	now one page of output at a time?
a) less	b) pause
c) sed	d) grep
(59) Command used to determine the path of an ex	recutable file is
a) which	b) where
c) wexec	d) what
(60) Which one of the following statement is not to	rue?
<ul> <li>a) vim editor is the improved version of vi editor</li> </ul>	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

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