Advanced Use of Linux Operating System Qualifying Exam - March 7th, 2018

Nar	me:		ID Number:	
1.	Who holds the leading a A. Linus Torvalds	nuthority in Linux developmen B. Richard Stallman	nt today? C. Lennart Poettering	D. Steve Ballmer
2.		enSUSE are examples of man B. classes	_	D. segments
3.	The licence most comm A. BSD		C. GPL	D. Apache
4.	Two types of distributio A. stable and testing	n updates are: B. rolling and stable	C. rolling and rocking	D. unstable and stable
5.	Which of these is comm	only used to manually add re B. /mnt	emovable storage? C. /lib	D. /etc
6.	One can check disk space	ce usage by running which of B. Is	these commands? C. df	D. free
7.	An empty file can be cre A. mk	eated by running: B. touch	C. mv	D. pwd
8.		commands would create a dir snovni mi mi	rectory called "linux", and and	·
9.	Our current working dirunning the command c A. /home/pedro/.com B. /home/ C. /home/pedro/.com D. /home/pedro/	d//././?	onfig/hexchat/assets. Wh	ere will we end up after
10.	Which sequence of char	acters redirects stdout and st	derr elsewhere? A. 2>&1	B. &> C. > D. >2
11.	want scripts and comma 'y' to be the answer to a	ands to pest us with $[y/n]$	orints 'y' to the standard outp confirmations, and instead war m -ri <directory> is an exa d above?</directory>	nt them to simply assume

A. rm -ri | yes B. yes | rm -ri C. rm -ri && yes D. yes || rm -ri

12. In order to redirect the printing of errors (and **only** errors) encountered during the execution of some command to some file, which of the following should we append to the command being run?

A. 1>./ $some_file$

 $B. 2>./some_fileC. \&>./some_fileD.>./some_file$

13. Odd man out! Which of these doesn't fit?									
	A. before	B. while	C. until	D. for					
14.	The command Is -Id /etc/??? lists: A. all files whose name has at least 3 characters B. all directories whose name starts with ??? C. all directories whose name has exactly 3 characters D. all files named ???								
15.	In bash, every variable is of the type:								
	A. integer	B. string	C. double	D. char					
16.	In regular expressions, which character denotes End-of-Line?								
	A. ^	B. \$	C. >	D. *					
17.	What is the result of running sed -r "s/(.*)\.(.*)\.(.*)/\2\1\3/" on the string A.B.C?:								
	A. CBA	B. ABC	C. BAC	D. CAB					
18.	Choose the command which will, given a string containing any number of digits followed by a word (e.g. 1337banana, 90000mango), strip off the numbers and turn all letters to uppercase.								
	A. sed -r "s/([[:digit B. sed -r "s/([[:digit C. sed -r "s/([[:alnum D. sed -r "s/([[:alnum	:]])(.*)/\u\2/" :]])*(.*)/\u\1/"							
19.	Which of these commands will remove the sequence of characters ".?" (without quotation marks) from the end of the line?								
A. sed -r "s/(.*)(.?)\$/\1/" B. sed -r "s/\.*.?\$/\1/" C. sed -r "s/(.*)(\.\?)\$/\1/" D. sed -r "s/(\.*)(\.\?)\$/\2/"									
20.	The line root:T3RqrzxU1MAH3F3wtuQu/:13284:0:99999:7::: is a representative line from which file?								
	A. /etc/root	B. /etc/sudoers	C. /etc/fstab	D. /etc/shadow					
21.	The line GROUPTWO ALL = NOPASSWD: /usr/bin/updatedb, PASSWD: /bin/kill is a representative line from which file?								
	A. /etc/root	B. /etc/sudoers	C. /etc/fstab	D. /etc/shadow					
22.	The primary group for each user is written in:								
	A. /etc/hosts	B. /etc/passwd	C. /usr/passwd	D. /usr/group					
23.	The command "su" run with no arguments:								
	 A. gives the current user sudo privileges B. switches the current user with root C. creates a new user D. returns an error due to being run improperly 								
24.	Which command ensures the file may only be read and nothing else?								
	A. chmod 444 $some_file$ $B.$ chmod 755 $some_fileC.$ chmod 777 $some_fileD.$ chmod 333 $some_file$								

25.	Which command permits deleting files inside of a directory only to the directory owner and root?						
	A. chmod +X $some_directory$ B. chmod +r $some_directoryC$	$\verb hmod -X some _directory $					
26.	Which of these is valid if you want to run a command in the background?						
	A. <command/> \$ B. <command/> & C. <command/> ! D. <command/> ^						
27.	What does the \$\$ variable contain?						
	 A. current kernel version B. PID of the current process C. exit code of the last run program D. the default terminal emulator 						
28.	Which signal is sent by pressing Ctrl+C?						
	A. SIGKILL	В.	SIGTRAP	C. SIGHUP	D.	SIGINT	
29.	Choose the "strongest" signal:						
	A. SIGKILL	В.	SIGTRAP	C. SIGHUP	D.	SIGINT	
30.	If a user wants to suspend the active process, which of these key combinations will enable them to do it?						
	A. CTRL+C	В.	CTRL+Z	C. ALT+C	D.	CTRL+D	
	ich term do You prefer: In the morning (10-12)		B. In the afternoon (12-14)				