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	INT Name: One-Answer Multiple Choice	LAB Section: 50 Questions – 10 of 10%	6. [31/64] Who is the owner of file bar after you successfully execute this sequence of commands in your home directory: touch foo; In foo one; In one two; In two bar
	Read all the words of these instructions and both sides (bac Use your full, unabbreviated name on the mark-sense form Put the three-digit Test Version above into NO. OF QUESTIFill in the bubbles with pencil only, no pen. Enter your NA Manage your time. Answer questions you know, first. One [10/64] If a=123 and b=456 then what is the output of bash commands: if [\$a = \$b]; then echo a. test: a=123: integer expression expends. 123 c. test: \$a: string expression expected.	ck and front) of all pages. Do not abbreviate your name. ONS and NO. OF STUDENTS ME, Test Version, and answers. Answer per question. If the following sequence of \$a ; fi cted	d. you cannot execute the given commands; no file will be created e. the file is owned by passwd 7. [32/63] What is the output of this sequence of three shell commands: umask 732; touch newfile; ls -l newfile arw-rww- 1 me me 0 Oct 1 1:12 newfile brwxrww- 1 me me 0 Oct 1 1:12 newfile cwx 1 me me 0 Oct 1 1:12 newfile dxr-x 1 me me 0 Oct 1 1:12 newfile e
2.	 d. bash: [123: command not found e. no output [25/64] Which of the following programs uses file globb regular expressions for matching: a. sed b. grep c. vi d. a. 	oing expressions as well as $oldsymbol{e}$. find	8. [32/64] If the current directory contains files abc, bbc, cbc, and bbc contains just the line dbd, what is the output of the following command: grep 'bb*\$' bbc a. no output b. bbc c. an error message d. cbc e. dbd
3.	what is the output of the following sequence of bash con TERM=bar; ./foo; echo '\$TERM' a. \$TERM b. foo c. TERM d.: [27/63] What is the output on your screen of the following i=00; [\$i -eq 0]; echo \$? a. test: \$i: integer expression expected b. 1	TERM b . foo c . TERM d . new e . bar 63] What is the output on your screen of the following sequence of commands: $i=00$; [$i=00$]; echo $i=00$]	9. [34/64] If ./a/b were a readable empty file, what would be the bash shell output of this two command sequence: PATH=/etc/:/usr:/var; /bin/cat ./a/b a. no output b. bash: cat: command not found c. bash: ls: command not found d. /bin/cat: ./a/b: No such file or directory e. bash: /bin/cat: command not found 10. [35/64] If my current directory is /bin, which of these pathnames is equivalent to
5.	 c. 0 d. no output e. the number 0 or 1 followed by another 0 or 1 on a new [29/64] If the file foo in the current directory contains j 123, what is the output of the following command: grea. a. 123 b. both lines c. dbd d. foo e. no output or an error message 	ust two lines dbd, and ep '[:alnum:]' foo	the file name /bin/ls? a. /bin/./bin/./ls b/bin/ls c. ls/. e. /root/bin/ls 11. [36/64] If dog is an executable script containing the line: umask 0022 what is the output of the following sequence of commands: umask 0077; ./dog; umask a. 0079 b. 0022 c. 0077 d. no output on screen c. 0075

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e. no output

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12. [36/64] Which line below puts the count of the number of lines in the password file 19. [42/63] What is the output on your screen of the following sequence of commands: into the variable **foo**? x=pig ; y=cow ; [-z \$x] ; echo \$? a. the number 0 or 1 followed by another 0 or 1 on a new line a. foo=\$(wc -l /etc/passwd | awk "print \$1") b. foo=\$(awk -F: /etc/passwd | wc -1) b. 0 c. foo=\$(cat -c /etc/passwd) c. 1 d. foo=\$(wc /etc/passwd | awk echo \$1) d. no output e. foo=\$(wc -1 </etc/passwd)</pre> e. test: \$x: integer expression expected 13. [37/64] If bar is an executable script containing the line cow=dog then what is 20. [43/64] If the current directory contains files abc, bbc, cbc, and bbc contains the **bash** output of this sequence of three commands: just the line bbb, what is the output of the following command: grep bb* bbc cow=cat; ./bar; echo "the '\$cow' ate" a. bbc b. cbc c. no output a. the 'dog' ate b. the '\$cow' ate e. dbd d. an error message c. the 'cat' ate d. the \$cow ate 21. [44/64] In an empty directory, what appears on your screen after this bash e. the 'cow' ate command line? ls 1>/dev/null nosuchfile 14. [38/64] If the file **foo** in the current directory contains just two lines **dbd** and **123**, a. ls: nosuchfile: No such file or directory what is the output of the following command: grep '[b1]\$' foo b. ls: 1>/dev/null nosuchfile: No such file or directory a. dbd b. an error message c. 123 c. no output d. no output e. foo d. nosuchfile e. ls: /dev/null: No such file or directory 15. [39/64] What is the correct syntax to redirect both standard output and standard error into the same output file? 22. [44/64] What is the output on your screen of the following sequence of commands: a. command >out 2>&1 b. command 2>out >out a=4 ; b=4 ; [\$a -le \$b] ; echo \$? d. command 2>1 >out c. command >out 2>1 a. the number 1 or 0 followed by another 1 or 0 on a new line e. command 2>&1 >out b. no output c. 0 16. [39/64] If the current directory contains files abc, bbc, cbc, and bbc contains just the line **dbd**, what is the output of the following command: d. test: \$a: integer expression expected e. 1 grep "^bb*" bbc a. bbc b. dbd c. cbc 23. [44/64] What minimal permissions must you have on a directory to be able to execute successfully the command **ls** . from *inside* the directory? d. no output e. an error message a. -wx b. rwc. r-d. r-x 17. [40/63] If the file **foo** in the current directory contains just two lines **dbd** and e. --x **a123**, what is the output of the following command: 24. [46/64] If /tmp/foo is a file name, which of the following pathnames always grep '^[[:alpha:]]' foo leads to the same file? a. two lines **dbd** and **a123** *b*. **a123** a. ./tmp/foo b. /tmp/../tmp/foo d. no output c. an error message c. /tmp/../../foo d. /tmp/foo/. e. dbd e. /tmp/foo/../.. 18. [41/64] Which of the following regular expressions would match lines that contain 25. [46/64] What is the output of the following sequence of **bash** commands: exactly one character of any kind? a=1 ; b=2 ; test \$a -le \$b ; echo \$? a. ^.\$ b. ^*\$ d. ^.*\$ c. ^\?\$ e. ^?\$ a. the number 1 or 0 followed by another 1 or 0 on a new line b. 1 d. test: \$a: integer expression expected

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a. 123

d. foo

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e. **f**

26. [48/64] What command shows all the lines in file **foo** that contain the string **bar**? 33. [52/64] In the output of the command **1s** -a, a dot that begins a name signifies what? a. cat foo > grep bar b. grep foo bar a. A name that is hidden. c. grep bar >foo d. grep -E '(bar)' foo e. grep cat foo bar *b*. The current directory. c. A current file. 27. [49/64] What is the output on your screen of the following command sequence: d. A name with an unprintable character. i=04; test \$i = 4\$; echo \$?e. The parent directory. a. the number 0 or 1 followed by another 0 or 1 on a new line 34. [52/64] What is the output of this successful command line? b. 1 cd /home/myhome; mkdir foo; mkdir bar; cd c. 0 d. no output a. /home/myhome/bar b. /home/myhome/foo e. test: \$i: integer expression expected c. /bar d. /home/myhome e. no output 28. [49/63] Which of these statements is true? 35. [54/64] A shell script named **bar** is executed as follows: a. Typing ./script and bash script always give identical results. ./bar "a b" "c d e" f b. If ./q is an empty directory, echo ./q/.* produces an error message. Inside the script is the line: echo "\$1" c. Double quotes will stop shell glob (wildcard) patterns from expanding. What is the output on your screen from this line? d. The ls dir command looks up the directory argument dir in your \$PATH. a. "f" b. cde *c*. **a b** d. \$3 e. If ./p is an empty directory, ls ./p/.* produces an error message. 36. [54/64] What is in file **cow** after running this **bash** shell command line? 29. [50/64] Which bash command sequence correctly compares the two numbers and echo two >cow three prints **OK**? a. echo two b. two cow three a. if [3 -le 4] ; then echo OK ; fi *d.* no output (empty file) c. two three b. if [! 3 -lt 4] ; then echo OK ; fi e. three c. if [3 < 4] ; then echo OK ; fi d. if (4 < 4); then echo OK; fi 37. [54/64] Which of the following is true, given this long directory listing from 1s: 755 drwxr-x--x 256 tgk user 1024 May 30 12:35 dir e. if (! 3 < 4); then echo OK; fi a. The number 256 is the octal permissions of this directory. 30. [50/64] Which of the following regular expressions would match lines that contain b. The number 1024 is the count of links (names) this directory has. one or more alphanumeric characters only? c. The number 256 is the inode number of this directory. a. ^[[:alnum:11*\$ d. The number 755 is the count of links (names) this directory has. b. [a-z0-9][a-z0-9]* e. The number 1024 is the size of this directory. c. [[:alnum:]]* d. ^[[:alnum:]][[:alnum:]]*\$ 38. [54/64] Which of these command lines will make file **cow** contain all of the content of file one followed by all of the content of file two? e. [[:alnum:]][[:alnum:]]* a. cp one >cow two >cow b. echo one two >cow 31. [51/64] Which command below removes *only* this five-character file name containing a special character (and no others): *test c. cat one two >cow d my one two >cow e. cp one two >cow a. rm '*test' b. rm *test c. rm ./*test d. rm *test e. rm ./*test 39. [54/64] Which of these commands makes a file owned by me, also writable by me? a. umask 777 myfile b. chmod x=u ./myfile

c. an error message

32. [51/64] If the file **foo** in the current directory contains just two lines **dbd** and **123**, what is the output of the following command: grep '[[:alpha:]]' foo

b. no output

e. dbd

d. chmod u+w myfile

c. chmod u+x ./myfile

e. umask 111 myfile

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40. [55/64] If **cow** is a sub-directory that contains only the file **pig**, what happens after this command: **mv cow**/././pig **cow**/cat

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- a. the command fails because the name cat does not exist
- b. the directory **cow** is now empty
- c. the directory cow now contains only a file named cat
- d. there is a second copy of the file pig in the file named cat
- e. the command fails because the name cow/././pig does not exist
- 41. [55/64] Which of these statements is true?
 - a. You can make a hard link to a directory.
 - b. You only need "r--" permission on directory "foo" for "ls -l foo" to work.
 - c. To make a hard link to file "foo" named "bar", file "foo" must exist.
 - d. The "ln" command takes two arguments, so the maximum number of hard links a file can have is two.
 - e. If you give me write permission on a file owned by you, I can then use chmod to change its permissions.
- 42. [56/64] Given the following bash shell command line:

```
read var1 var2 var3
```

which user keyboard input line below will assign the text **22** to the shell variable named **var3**?

```
      a. xx=11 zz=22 yy=33
      b. 11 22 33

      c. 11;22;33
      d. 22 33 11
```

- e. 11 33 22
- 43. [56/64] Which of the following regular expressions would match lines that contain no white space?

```
a. ^[[:space:]]*$
b. ^[^[:space:]]*$
c. [^[:space:]]*
d. [^:space:]*
e. [^[:space:]]*
```

- 44. [57/64] What is true about this output from ls -il foo bar
 - 24 -rwxr---- 3 root root 2 Jul 31 12:33 foo
 - 24 -rwxr---- 3 root root 2 Jul 31 12:33 bar
 - a. **foo** and **bar** are names for different files
 - b. this output is not possible
 - c. **foo** and **bar** are names for the same file
 - d. **foo** and **bar** are two of five names for this file
 - e. foo and bar each have two names (four names total)
- 45. [58/64] Which command sequence creates a directory into which anyone can put a file, but in which nobody can see the names of the files that are there?

```
a. mkdir protected; cd protected; chmod go-x.
```

- b. mkdir protected; chmod 777.
- c. mkdir protected; chmod 333 protected
- d. mkdir protected; cd protected; chmod go+wx.
- e. mkdir protected; chmod 777 protected

```
46. [59/64] In an empty directory, how many files are created by this command:
```

touch "b c" ' d

a. 4 b. 7 c. 3 d. 6 e. 5

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47. [60/64] What is the result of this exact command line:

echo /etc/passwd ls

- a. the contents of the files /etc/passwd and hello will be displayed
- b. a list of file names matching /etc/passwd and hello will be displayed
- c. all the files under /etc/passwd with the name hello will be displayed
- d. file /etc/passwd will be copied to hello; the names will be displayed as well
- e. the text /etc/passwd and ls will be displayed
- 48. [61/64] What would you type to change the permissions on a file to **rwxr--r--**?
 - $\it a.\$ chmod 211 file

b. chmod 244 file

c. chmod 344 file

d chmod 744 file

- e. chmod 755 file
- 49. [61/64] Which command line would show the inode number of a file?
 - $\it a$. cat -la file
- b. ps -la file
- c. cat -ia file

- d. ls -la file
- $\it e$. ls -ia file
- 50. [63/64] What command can you use to delete a directory?
 - a. deleted. del

b. rmdir e. erase

c. deldir