PRINT Name:		LAB Section:	8.	Which command below is the best way to find a line containing a question mark (?) in the file /etc/passwd?
Test Version: 075	One-Answer Multiple Choice	227 Questions – 10 of 10%		a. grep /etc/passwd '?' b. search '?' /etc/passwd
✓ Use your full, unable✓ Put the three-digit T✓ Fill in the bubbles w✓ Manage your time.	of these instructions and both sides (previated name on the mark-sense for est Version above into NO. OF QUES with pencil only, no pen. Enter your Manswer questions you know, first. Questions below about reading/doing a	back and front) of all pages. rm. Do not abbreviate your name. TIONS and NO. OF STUDENTS NAME, Test Version, and answers. One Answer per question.	9.	c. grep './?' /etc/passwd d. grep '?' /etc/passwd e. find '?' /etc/passwd What is in the file bar after this command line: echo hi >x ; echo ho >x ; mv x y >bar a. hi b. nothing (empty file) c. hi followed by ho d. ho e. no such file (nonexistent)
1. Did you read all a. Taip (Yes - E. c. Jes (Yes - E. e. Tak (Yes - Pc	speranto) d. Sim	on page one? n (Yes - Hungarian) (Yes - Portuguese)		If file a contains 2 lines, and file b contains 3 lines, then how many lines are in file c after this command line: cat a a >c; head b >>a; cat c b >c a a. 0 b. 7 c. 10 d. 12 e. 8 How many lines are in the file bar after this command line:
a. The Test Versib. My lecture rooc. My lecture secd. The section nu	Lab Section number is: ion number printed in the top left coronn number, e.g. T117. ction number 400. umber of my weekly 2-hour lab perionnumber, e.g. P305, T327, P213, or	od.	12.	echo hi >x; echo ho >>x; cat x >bar a. 6 b. 4 c. 0 d. 1 e. 2 If cow is a sub-directory that contains only the file dog, what happens after this command: mv cow/dog cow/././cat a. the command fails because the name cow/././cat does not exist b. the directory cow is now empty
	tory, how many arguments are passe touch a1 a2 ba ca; cat a b. none c. 1			 c. the directory cow now contains only a file named cat d. the command fails because the name cat does not exist e. there is a second copy of the file dog in the file named cat
4. To leave a shell as a. quit d. exit	nd let the terminal window close, type b. [CTRL-C] e. q	c. bye	13.	In an empty directory, what is the output on your screen after this command line: date >.foo >.bar ; ls * a. no output
ls out 2	ctory, what is the output on your screed >/dev/null No such file or directory			 bfoo .bar c. an error message from ls saying * does not exist d. * efoo .bar
e. ls: /dev/	>/dev/null: No such file null: No such file or dir	rectory	14.	If I am in directory /home/me and mt is an empty sub-directory, what is true after this command line: touch foo; mv ./mt//foo/me/bar a. there is a second copy of the file foo in the file named bar
	2 lines, and file b contains 3 lines, the this command line: cat b so b. 3 2 e. 2 followed by 3			 b. the command fails because the path/me/bar does not exist c. the command fails because the path ./mt//foo does not exist d. the directory mt now contains only a file named bar e. the parent directory of mt now contains a file named bar
7. What command c a. erase d. deldir	can you use to delete an empty direct b. mvdir e. delete	ory? c. rmdir		

15. If I am in my HOME directory named /home/me and dir is an empty subdirectory, what is true after this command line:

touch new; mv ./dir/../new ../me/old

- a. the command fails because the path ../me/old does not exist
- b. there is a second copy of the file named **new** in the file named **old**
- c. the command fails because the path ./dir/../new does not exist
- d. the parent directory of **dir** now has a file named **old** in it
- e. the directory dir now contains only a file named old
- 16. What is the result of this exact command line: ls /foo bar
 - a. the contents of the files /foo and bar will be displayed
 - b. file /foo will be copied to bar
 - c. the two text strings /foo and bar will be displayed
 - d. all the files under directory **/foo** with the name **bar** will be displayed
 - e. the names of the pathnames /foo and bar will be displayed
- 17. If my current directory is /lib, which of these pathnames is equivalent to the pathname /lib/x/y?

a. /x/y

b. ./lib/x/y

c. ../x/y

1 Minute Per Question

- d. ../lib/y e. ../lib/x/y
- 18. In the output of the command 1s -a, a dot (period) that begins a name signifies what?
 - a. A current file.
 - b. The current directory.
 - c. The parent directory.
 - d. A name that is hidden.
 - e. A name with an unprintable character.
- 19. How do I search for the string **foo** in the text display output from the **man** command?

a. /foo

b. select "Search" in the menu

- c. find foo d search foo
- e. @foo
- 20. The purpose of the **PS1** shell variable is:
 - a. to find patterns inside a text file
 - b. to list your suspended jobs
 - c. to set the shell prompt
 - d. to protect your HOME directory from access
 - e. to allow access to the ROOT directory
- 21. How do you search for the word **nongraphic** in the man page for **ls**?
 - a. type man ls at the shell, then `F (CTRL-F), then nongraphic
 - b. type man -k nongraphic at the shell
 - c. type man ls -nongraphic at the shell
 - d. type man ls at the shell, then /nongraphic
 - *e.* type man nongraphic | grep ls at the shell

22. If **foo** is a sub-directory that contains only the file **bar**, what happens after this command: cp foo/bar ./foo/../me

-4-

- a. the directory **foo** is now empty
- b. there is a second copy of the file bar in the file named me
- c. there is a second copy of the file bar in directory foo
- d. the command fails because the name **foo/bar** does not exist
- e. the directory **foo** now contains only a file named **me**
- 23. In the output of **ls** -a, the two-character name . . signifies what?
 - a. The current directory.
 - b. It begins every name that is hidden.
 - c. The ROOT directory.
 - d. A file or directory with double links.
 - e. The parent directory.
- 24. What is the output of this command line in an empty directory:

touch x .a .ab .cde .fghi ; echo .??*

- a. an error message from **echo** saying .??* does not exist
- b. .ab .cde .fghi
- c. .??*
- d. .cde .fghi
- e.a .ab .cde .fghi
- 25. If I am in directory /home/me and mt is an empty sub-directory, what is true after this command line: touch ./foo; mv ./mt/../foo ../me/bar
 - a. the command fails because path ./mt/../foo does not exist
 - b. the directory **mt** now contains only a file named **bar**
 - c. the command fails because path ../me/bar does not exist
 - d. the directory mt/.. now contains a file named bar
 - e. there is a second copy of the file **foo** in the file named **bar**
- 26. If /etc/passwd is a file name, which pathname always leads to the same file?
 - a. /etc/passwd/./.

b. /./../etc/./passwd

c. ././etc/passwd

- d. /etc/../../passwd
- e. /etc/passwd/../..
- 27. Which of these pathnames is *not* an absolute pathname (after all shell expansions)?
 - a. /../foo d. SHOME/foo
- b. /foo
- e. foo
- 28. If my current directory is /usr, which of these pathnames is equivalent to the pathname /usr/x/y/z?
 - a. ../x/y/z
- b. x/./y/z
- $c. \cdot /usr/x/y/z$

c. ~/foo

- d. ../usr/y/z
- e. /x/y/z
- 29. In an empty directory, how many arguments are passed to the wc command in this command line: touch xx yy >zz 123 .a b.; wc ??
 - *a*. 0
- b. 4
- c. 2
- d. 1
- e. 5

80.	What is the absolute pathname of the Unix/Linux password (account) file? a. /etc/passwd b. /usr/passwd c. /bin/passwd d. /lib/passwd e. /var/passwd	37.	What is the output of this command line in an empty directory: touch .a .b .c; echo [.]* a. [.]*
31.	If my current directory is /home, and my HOME directory is /home/me, which command copies the password file into my HOME directory under the name foo? a. cp/home/me//etc/passwd ./me/./foo b. cp//etc/passwd /me/foo		b a . b . c c. no output d a . b . c e. an error message from echo saying [.]* does not exist
	<pre>c. cp/etc/passwd/me/foo d. cp me//etc/passwd me/foo e. cp ./me//etc/passwd/home/me/foo</pre>	38.	If pig is a sub-directory that contains only the file dog, what happens after this command: mv pig/dog pig/././cat a. the directory pig is now empty
32.	If foo is a sub-directory that contains only the file bar , what happens after this command: mv foo/me foo/bar a. the command fails because the name me does not exist b. there is a second copy of the file bar in the file named me		 b. the directory pig now contains only a file named cat c. there is a second copy of the file named dog in the file named cat d. the command fails because the name cat does not exist e. the command fails because the name pig/././cat does not exist
	 c. the command fails because bar is not a directory d. there is only the file named me in the directory now e. an empty file named me is created 	39.	If file nine contains 9 lines, each of which is the one-digit line number of the line in the file (1 through 9), what is the output on your screen of this command: sort nine nine tail -3 head -1
33.	If file twenty contains twenty lines, and file thirty contains thirty lines then how many lines are output on your screen by this command line: tail twenty cat thirty a. 50	40.	a. 2 2 b. 8 8 c. 9 d. 1 e. 8 What is the output on your screen after these command lines: echo 1 >x; cp x y; echo 2 >>y sort x >y; cat y
34.	a. 50 b. 20 c. 0 d. 40 e. 30 If pig is a sub-directory that contains only the file dog, what happens after this command: mv pig/dog pig/././cat		a. no output b. 2 c. 1 followed by 2 d. 2 followed by 1 e. 1
	a. the command fails because the name pig/././cat does not existb. the directory pig is now empty	41.	What is the output on your screen after this command line: echo hi >a ; ls a > wc
	 c. there is a second copy of the file dog in the file named cat d. the command fails because the name cat does not exist 		a. 2 b. 3 c. 1 1 2 d. no output e. 1 1 3
35.	 e. the directory pig now contains only a file named cat What is the output on your screen of this command line: echo wc >wc ; wc wc >wc ; cat wc a. 1 1 3 wc b. no output c. 0 0 0 wc d. 1 1 2 wc e. wc 	42.	What would you see if you typed this command: cat /foo a. The contents of your subdirectory named foo b. The contents of the file foo located in the ROOT directory c. The contents of the file foo located in your HOME directory d. The contents of the file foo located in the parent directory

1 Minute Per Question

CST 8207 – Winter 2014 – Practice Test #1 – 10% Ian! D. Allen 1 Minute Per Question

36. If I am in my HOME directory named /home/me and sub is an empty sub-

touch ./fil; mv sub/../fil ../me/cat a. the directory sub now contains only a file named cat

c. the command fails because the path ../me/cat does not exist

e. there is a second copy of the file fil in the file named cat

d. the command fails because the path sub/../fil does not exist

b. the directory **sub/..** now has a file named **cat** in it

directory, what is true after this command line:

43. If file /a contains 30 lines, and file /b contains 50 lines, then how many lines are output on your screen by this command line: cat /a | sort /b

c. 0

command line: touch al a2 ac ba .a; cat a*

44. In an empty directory, how many arguments are passed to the cat command in this

c. 2

d. 30

e. 80

e. none

e. The contents of your directory named **foo**

b. 20

b. 1

a. 50

a. 3

-6-

a. the tree of files under the ROOT directory

b. a recursive list of users logged in to the system

c. the tree of users logged in to the system

d. the tree of files under your HOME directory

e. an indented, recursive list of directories and their contents

50. Which of these statements is true?

a. To delete a word from the shell command line, type [CTRL]-[D]

b. To erase an entire line of typing, type [CTRL]-[D].

c. Unix commands must be entered in lower-case letters.

d. Unix commands can be entered in upper-case or lower-case letters; they are equivalent.

e. To indicate End-of-File (no more input), type [CTRL]-[C].

51. If you type the command cat, which CTRL key will send an EOF and take you back to the command prompt?

a. ^U

b. ^D

c. c

d ^R

e. ^E

52. Which of these characters is *not* a shell GLOB meta-character?

a. #

b. [

c. 1

d. *

e. ?

53. Which of these statements is true?

a. To indicate End-of-File (no more input) to a program, type [CTRL]-[D].

b. The **file** command creates a new, empty file in the current directory

c. To erase an entire line of typing, type [ALT]-[DELETE].

d. Command apropos is an exact synonym for command man.

e. To interrupt a Unix process from the keyboard, type [CTRL]-[D].

e. the command fails because **bar** is not a directory

57. How many lines are in the file **out** after this command line:

echo hi >x ; echo ho >>x ; cat x x x >out

a. 1

h. 2

c. 6

d. 0

e. 3

58. How many words are in file **out** after this command line:

echo one >two >three >out

a. 3 h. 2

c. 0

d. 1

e. 4

e. 0

59. What is the output of this command line in an empty directory:

touch 1 2 3 .a .ab .abc ; echo [.]*

a. [.1*

b. an error message from echo saying [.]* does not exist

c. .a .ab .abc

d. a . ab . abc

e. no output

60. What is the output of this command line in an empty directory:

touch a .a bc .bc def ; echo [ab]*

a. [ab]*

h. a bc

c. a .a bc .bc

d. an error message from **echo** saying [ab]* does not exist

e. no output

61. If file x contains ten lines, and file y contains twenty lines, then how many lines are in file cat after this command line:

sort x y >z ; tail -5 y >y ; sort x y z >cat c. 45 a. 40 b. 60 d. 50

69. The output of the **find** command is:

e. a recursive list of pathnames

a. /etc/../shadow

c. /etc/shadow/../..

echo dir/???

e. ././etc/shadow

a. /bin/../bash

c. ./bin/bash

e. /bin/bash/.

a. ./bin/bash

c. /bin/bash/.

e. /../bin/bash

a. no output

h. dir/???

a. finds lines in a file matching a pattern b. finds patterns in a file corresponding to lines

d. a recursive list of users logged in to the system

c. account names matching a pattern

52.	Which command lin contain the letter a (e displays all the non-hidden national (and no others)?	mes in the current directory tha
	a. echo *a*d. echo *a	b. echo [a] e . echo a*	c. echo ?a?

63. To change your own account password, use this exact command line:

```
b. $ passwd
c. $ passwd cst8207.idallen.ca
d. $ passwd options LOGIN
```

e. \$ passwd root

a. hi

a. 1

a. \$ passwd cst8207

64. In an empty directory, what is the output on your screen of this command line: echo hi >foo >bar ; cat foo

h hi >foo c. hi >foo >bar d. cat: foo: No such file or directory e. no output

b. 2

65. In an empty directory, how many words are in file **cow** after this command line: touch dog dog cat ; ls >cow c. 0

d. 3

e. 4

66. In an empty directory, how many arguments are passed to the **rm** command in this command line: date >a1 ; touch a2 ba ca >all ; rm a* b. 4 d. 2 a. none c. 3

67. If my current directory is /home, and my HOME directory is /home/me, which command copies the password file into my HOME directory under the name **foo**?

a. cp ../etc/passwd ./me/foo b. cp ./me/../etc/passwd ../home/me/foo c. cp ../home/me/../etc/passwd ./me/./foo d. cp ../etc/passwd ../me/foo e. cp ../../etc/passwd /me/foo

68. If directory dir contains only these four three-character file names: .on, .tw, .th, .f., then what is the output on your screen of this command line: echo dir/*

a. dir/. dir/.. dir/.on dir/.tw dir/.th dir/.f. b. dir/.on dir/.tw dir/.th $c. \operatorname{dir}/.f.$

d. no output e. dir/*

c. dir/.a? d. dir/.aa dir/.ab e. dir/.aa dir/.ab dir/.a? dir/.a* 72. How many lines are in the file **out** after this command line: date >f ; ls f >>f ; cat f f >out b. 0 a. 6 d. 2 c. 4 e. 1 73. What is the result of this exact command line: echo /foo bar a. the two text strings /foo and bar will be displayed b. the contents of the files /foo and bar will be displayed c. file **/foo** will be copied to **bar** d. all the files under directory /foo with the name bar will be displayed e. the names of the pathnames /foo and bar will be displayed 74. If I am in directory /home/me and mt is an empty sub-directory, what is true after this command line: touch ./foo; mv mt/../foo mt/../bar a. the directory **mt** now contains only a file named **bar** b. the command fails because the path mt/../bar does not exist c. the command fails because the path mt/../foo does not exist

75. If /bin/bash is a file name, which pathname always leads to the same file?

76. If /bin/bash is a file name, which pathname always leads to the same file?

d. the directory .../me now contains a file named bar e. there is a second copy of the file **foo** in the file named **bar**

70. If /etc/shadow is a file name, which pathname always leads to the same file?

71. If directory dir contains these four three-character file names: .aa, .ab, .a?,

.a*, then what is the output on your screen of this command line:

b. /./../etc/./shadow

d. /etc/shadow/./.

b. /./bin/./bash

b. /bin/bash/..

d. /bin/../bash

d. /bin/bin/../bash

77.	In an empty directory, how many words are in file foo after this command line: date >.bar >.out ; ls >foo	85.	If I am in directory /home/me and mt is an empty sub-directory, what is true after this command line:
78.	a. 2 b. 0 c. 3 d. 4 e. 1 What is the output of this command line in an empty directory: touch .a .b .c; echo .??* aa .b .c b. an error message from echo saying .??* does not exist c. no output		touch ./foo bar; rm mt//foo/me/bar a. the directory mt now contains a file named foo b. the command fails because the path mt//foo does not exist c. the directory mt is still empty d. the command fails because the path/me/bar does not exist e. the directory me now contains a file named bar
	da .b .c e??*	86.	If my current directory is /home, which of these pathnames is equivalent to the pathname /home/a/b/c?
79.	In an empty directory, how many arguments are passed to the cat command in this command line: date >a1; touch a2 ba ca; cat a*		a. ./a/b/c $b.$ /a/b/c $c.$ /home/b/c $d.$ /a/b/c $e.$./home/a/b/c
80.	touch a ; ls >wc -l	87.	If file foo contains 99 lines, each of which is the two-digit line number of the line in the file (01 through 99), what is the output on your screen of this command: sort -r foo foo tail -4 head -1 a. 96 96 b. 02 c. 98
	a. 3 b. 1 c. no output d. 0 e. 2		d. 96 e. 04 04
81.		88.	If my current working directory is /home, and my HOME directory is /home/foo, which command copies file /bin/ls into my HOME directory under the name xx? a. cp/home/./foo//bin/ls foo/xx
82.	If foo is a sub-directory that contains only the file bar , what happens after this command: mv foo /./ bar foo /./ me a. the command fails because the name foo /./ bar does not exist b. there is a second copy of the file bar in the file named me c. the directory foo now contains only a file named me d. the directory foo is now empty	89.	b. cp .//bin/ls/foo/xx c. cp ././foo//bin/ls/home/foo/xx d. cp//bin/./ls /foo/xx e. cp ./foo///bin/ls ./foo/./xx How many words are in the file x after this command line: echo 1 2 >x; echo 3 >x; echo 4 >>x
	e. the command fails because the name me does not exist	00	a. 2 b. 1 c. 3 d. 0 e. 4
83. 84.	Given the pathname a/b/c, the basename of this pathname is: a. a/b b. b/c c. a d. c e. b In a directory containing one file named dog, what is the output on your screen after this command line: 2>/dev/null ls nosuchfile a. nosuchfile b. bash: 2>/dev/null: command not found c. no output d. ls: nosuchfile: No such file or directory e. dog		In which section of the manual do you find super-user and admin commands? a. 4 b. 2 c. 1 d. 8 e. 3 What does quoting mean on a shell command line? a. typing a "control" character using the [CTRL] key b. using a leading tilde ("~") on a pathname to mean your HOME directory c. using more than one pathname argument to a command, e.g. rm a b c d. setting the PS1 variable to be your shell prompt e. turning off the special meaning of shell meta-characters

-12-

92.	If I am in my HOME directory named /home/myhome and sub is an empty sub- directory, what is true after this command line: touch ./fil ; mv sub//fil/myhome/cat a. there is a second copy of the file fil in the file named cat b. the directory sub/ now has a file named cat in it c. the command fails because the path/myhome/cat does not exist d. the command fails because the path sub//fil does not exist e. the directory sub now contains only a file named cat	99. Which pathname almost always leads to the same file named: /etc/passwd? a/etc/passwd b. /etc//etc/./passwd c. /etc/./etc//passwd d/etc/passwd e. /etc/passwd/. 100. If my current directory is /bin, which of these pathnames is equivalent to the file name /bin/ls? a/bin/ls/. b. ls/. c. /root/bin/ls d/bin/ls e//bin/ls
93.	The shell meta-character used to separate multiple separate commands on the same line of typing is: a. $@$ b. + c. , d. : e. ;	101. In an empty directory, what is the output on your screen after this command line: echo hi >a ; ls nosuchfile 2>/dev/null a. a
94.	In an empty directory, what happens after this command line: mkdir a b c; mv a b c a. the directories a, b, and c are moved to the directory c b. an error message: mv: target 'c' is not a directory c. the directories a and b are moved into the directory c d. the directories a and b are appended to the directory c e. the directories a, b, and c are moved to the current directory	b. ls: 2>/dev/null: No such file or directory c. no output d. nosuchfile e. ls: nosuchfile: No such file or directory 102. If you type the command sleep 60, which CTRL key will interrupt it and take you back to the command prompt? a. ^R b. ^I c. ^D d. ^C e. ^U
95.	If my current directory is /etc, which of these pathnames is equivalent to the file name /etc/passwd? a. /root/etc/passwd b/etc/passwd/. c. passwd/. d/etc/passwd e//etc/./passwd	103. What happens when you try to change to the parent directory of ROOT, e.g. cd /; cd a. the shell issues an error message and does not change b. the shell asks you to retype this invalid directory c. the shell issues a warning, but changes to the parent
96.	Which Unix command line deletes a directory and everything inside it? a. deltree -all dir b. rmdir -r dir c. rm -r dir d. rm -all dir e. rmdir -all dir	 d. you go to the parent directory containing your C: drive e. the shell current directory is still ROOT; no change 104. In an empty directory, how many arguments are passed to the wc command in this command line: date >o1; touch a1 b2 out >o1; wc o*
97.		a. 2 b. 1 c. 4 d. 5 e. 3 105. If file /a contains 20 lines, and file /b contains 30 lines, then how many lines are in file /c after this command line: sort /a /b >/c; cat /a >>/b; sort /c /b /a >/c a. 120 b. 50 c. 80 d. 0 e. 70 106. What is the output on your screen after this command line:
98.	If I am in directory /home/me and mt is an empty sub-directory, what is true after this command line: touch foo; mkdir bar; mv foo bar/mt a. the directory bar now contains a file named foo b. the directory mt is still empty c. the directory mt now contains a file named foo d. the directory mt now contains a directory named bar	echo hi >ls; cat ls > wc a. 1 1 3 b. hi c. no output on screen d. ls e. 1 1 2 107. In an empty directory, how many words are in file pig after this command line: touch pig pig; ls >pig

1 Minute Per Question

e. the command fails because bar/mt is not a directory

c. 1

b. **4**

d. 3

e. 2

```
108. In a manual page SYNOPSIS section, ellipsis (three dots) (...) mean:
                                                                                   116. Which command line displays all the non-hidden names in the current directory that
                                                                                        contain the case-insensitive word me (and no others)?
                                           b. something that is optional
    a. something that is repeated
    c. a hidden directory
                                           d. the parent directory
                                                                                                                               b. echo *(M,m,E,e)*
                                                                                        a. echo *[me]*
                                                                                                                               d. echo *[Mm][Ee]*
     e. no special meaning
                                                                                        c. echo ?[MmEe]?
                                                                                        e. echo *[MmEe]*
109. If /bin/bash is a file name, which pathname always leads to the same file?
                                                                                   117. If /etc/passwd is a file name, which pathname always leads to the same file?
     a. /bin/bash/.
                                           b. ./../bin/bash
                                                                                        a. /etc/etc/../passwd
                                                                                                                               b. /etc/passwd/.
    c. /bin/../bash
                                           d. /bin/bin/../bash
                                                                                        c. /./etc/./passwd
                                                                                                                               d. ./etc/passwd
     e. /../bin/./bash
                                                                                        e. /etc/../passwd
110. What is the output of this command line in an empty directory:
         touch .1 .2 .3 4 5 6; echo .*
                                                                                   118. If my current directory is /home, which of these pathnames is equivalent to the
     a .1 .2 .3 4 5 6
                                                                                        pathname /home/a/b/c?
    b. an error message from echo saying .* does not exist
                                                                                        a.../home/b/c
                                                                                                                               b. ../a/b/c
    c. 4 5 6
                                                                                        c. ./home/a/b/c
                                                                                                                               d. /a/b/c
                                                                                        e. ../home/a/b/c
    e. .*
                                                                                   119. What is in file foo after this command line: echo 1 2 >foo 3
111. If foo is a sub-directory that contains only the file bar, what happens after this
                                                                                        a. 1 2 3
                                                                                                                               b. nothing (empty file)
    command: mv foo/bar foo/moo
                                                                                                                               d. echo 1 2
                                                                                        c. 1 2
    a. there is a second copy of the file bar in the file named moo
                                                                                        e. 3
    b. the command fails because the name moo does not exist
                                                                                   120. The option to ls that shows hidden names is:
    c. the command fails because bar is not a directory
                                                                                        a. -1
                                                                                                       b. -h
                                                                                                                      c. -i
                                                                                                                                      d. -1
                                                                                                                                                      e. -a
    d. there is only the file named moo in the directory now
                                                                                   121. Which of the following commands will leave file1 non-empty?
     e. an empty file named moo is created
                                                                                        a. tail file1 > file1
                                                                                                                              b. sort file1 > file1
112. In an empty directory, what is the output on your screen after this command line:
                                                                                        c. cat file1 > file1
                                                                                                                               d. head file1 > file1
         touch a b .1 .2; echo .??*
                                                                                        e. wc file1 > file1
    a. . . . a b .1 .2
                                                                                   122. Which command below is the best way to find a line containing an asterisk (*) in
    b. an error message from echo saying .??* does not exist
                                                                                        the file named foo?
    c. .??*
                                                                                        a. grep foo [*]
                                                                                                                              b. grep ./* foo
    d. . . . . . . . . . . . . 2
                                                                                        c. grep * foo
                                                                                                                               d. grep '*' foo
    e. a b
                                                                                        e. grep foo "*"
113. The shell expands a leading tilde (~) in a pathname (e.g. ~/foo) to be:
                                                                                   123. What is the output of this command line in an empty directory:
    a. the parent directory
                                           b. your HOME directory
                                                                                            touch 1 2 3 .a .b .c ; echo .??*
    c. the ROOT directory
                                           d. the directory /root
                                                                                        a. . .. 1 2 3 .a .b .c
     e. the current directory
                                                                                        h. .??*
114. How many lines are in file out after this command line:
                                                                                        c. . .. .a .b .c
         date >wc >cat >out
                                                                                        d. an error message from echo saying .??* does not exist
    a. 0 0 0
                              b. 1
                                                        c. 1 6 29
                                                                                        e. .a .b .c
     d. 2
                              e. 0
                                                                                   124. In an empty directory, how many words are in file out after this command line:
115. If file a contains 2 lines, and file b contains 3 lines, then how many lines are in file
                                                                                            touch 1 2 3 2 1; ls >out
     c after this command line:
                                                                                                       b. 6
                                                                                                                                      d. 3
                                                                                        a. 4
                                                                                                                      c. 5
                                                                                                                                                      e. 0
         sort a b >c ; cat a >>b ; sort c b >c a
                                   c. 5
                                                   d. 0
     a. 7
                    b. 12
                                                                  e. 8
```

1 Minute Per Question

125.	To make the bash shell complete commands or file names, you type the first part
	of the command or file name and then press this key:

-17-

a. [TAB]

b. [CTRL]-[D]

c. [CTRL]-[C]

d. [ALT]-[F1]

e. [ALT]

126. If file **foo** contains 9 lines, each of which is the one-digit line number of the line in the file (**1** through **9**), what is the output on your screen of this command:

sort foo foo | tail -2 | head -1

a. 9

b. 2 2

c. 8

d. 8 8 e. 1

127. Which of these command line will make **bar** contain all of the content of **f1** followed by all of the content of **f2**?

a. wc f1 f2 >bar

b. cp f1 f2 >bar

c. mv f1 f2 >bar

d. echo f1 f2 >bar

e. cat f1 f2 >bar

128. What is the possible output on your screen of this command line:

echo wc >date ; sort date >date ; cat date

a. Fri Mar 16 12:00:00 EST 2012

b. 1 6 28 date

c. 1 6 29 date

d. no output on screen

e. wc

129. If ian is a sub-directory that contains only the file foo, what happens after this command: mv ./ian/./foo ./ian/../bar

a. the directory **ian** is now empty

b. the directory ian now contains only a file named bar

c. there is a second copy of the file **foo** in the file named **bar**

d. the command fails because the name ./ian/./foo does not exist

e. the command fails because the name ./ian/../bar does not exist

130. If file /a contains 7 lines, and file /b contains 5 lines, then how many lines are in file /c after this command line:

cat /a /b >/c; sort /c >/c; sort /c /a /b >/c

a. 0 b. 24

c. 12

d. 7 e. 5

131. What is the output on your screen of this command line:

echo pig >one ; echo cow | head -2 one

a. an error message

b. cow followed by pig

c. pig

d. pig followed by cow

e. cow

132. Which command line shows the file in /bin with the largest checksum?

a. ls /bin/* | sum | sort -nr | head -1

b. cat /bin/* | sum | sort -nr | head -1

c. sum /bin | sort -nr | head -1

d. sum /bin/* | sort -nr | head -1

e. cat /bin | sum | sort -nr | head -1

133. Which command line lists all possible utilities available for compiling programs?

-18-

a. man compile

b. locate compile

c. apropos compile

d. find compile

 $\it e$. grep compile /etc/

134. Which command line below does *not* show any lines from inside the file **out**?

a. more out

 $\it b$. head out

c. tail out

d. we out e. sort out

135. If my current directory is /etc, which of these pathnames is equivalent to the file name /etc/passwd?

a. ./etc/passwd

b.../passwd

c. ../etc/passwd/.

d. /passwd

e. ./passwd

136. What is the output on your screen after this command line:

mkdir dir; touch dir/.aa dir/.bb; echo dir/*

a dir/. dir/.. dir/.aa dir/.bb

b. dir/.aa dir/.bb

c. dir/*

d. no output

e. dir/

137. In an empty directory, how many arguments are passed to the **rm** command in this command line: **touch a al a2 ba ca; rm a***

a. 3

b. 1

c. 2

d. none

e. **4**

138. Which of the command lines below can generate a non-empty file?

a. sort foo >foo

b. cat foo >foo

c. ls foo >foo

d. grep 'foo' foo >foo

e. tail foo >foo

139. If my current directory is /etc, which of these pathnames is equivalent to the file name /etc/passwd?

a. passwd

b. ../passwd

c. ../etc/passwd/.

 $\it d.$./etc/passwd

 $\it e$. /passwd

140. In an empty directory, how many words are in file out after this command line: echo hi >a ; ls >out

a. **4**

b. 2

c. 1

d. 3

e. 0

141. Which command line tells you the recursive count of all pathnames under the current directory and all subdirectories?

a. find | wc

b. ls | wc

c. wc *

d. wc "\$PWD" e. wc .

142. If file /a contains 40 lines, and file /b contains 60 lines, then how many lines are output on your screen by this command line:

sort /a /b | cat /a | cat /b

a. 100 b. 160 c. 60 d. 200 e. 40

143. If file **foo** contains 99 lines, each of which is the two-digit line number of the line in the file (01 through 99), what is the output on your screen of this command:

sort foo foo | tail -4 | head -1

b. 96 96 a. 01 01 e. 96

c. 98

d. 04 04

144. If file **foo** contains 9 lines, each of which is the one-digit line number of the line in the file (1 through 9), what is the output on your screen of this command:

cat foo foo | sort -r | head -4 | tail -1 a. 5 h. 9 c. 8 d. 7 e. 6

145. In an empty directory, what is the output on your screen after this command line: ls nosuchfile 2>out

a. 2 not found

h nosuchfile

c. no output

d. nosuchfile 2 not found

e. nosuchfile not found

146. The option to **ls** that shows which names are directories is:

a. -1

b. -i

c. -1

d. -d

e. -a

147. If my current directory is /etc, which of these pathnames is equivalent to the pathname /etc/x/y?

a. /x/y

b. ../etc/x/ye. ../x/y

c. ../etc/v

d. ./etc/x/y

148. The basic purpose of a shell is:

a. to expand pathnames

b. to find and run commands

c. to format hard drives

d. to search for strings inside text files

e. to program system administration backup procedures

149. What is the output on your screen of this command line:

echo bat >pig ; echo one | tail pig

a. bat

b. an error message

c. one

d. one followed by bat

e. bat followed by one

150. What is the output on your screen of this command line:

echo pig >one ; echo bat | tail one

a. pig

b. bat followed by pig

c. an error message

d. pig followed by bat

e. bat

151. If file /a contains 3 lines, and file /b contains 5 lines, then how many lines are output on your screen by this command line: cat /a | sort /b

a. 2

b. 5

c. 8

d. 0

e. 3

152. In an empty directory, what is the output on your screen after this command line:

ls 2>/dev/null nosuchfile

a. no output

b. ls: 2>/dev/null nosuchfile: No such file or directory

c. nosuchfile

d. ls: nosuchfile: No such file or directory

e. ls: /dev/null: No such file or directory

153. What is the output of this command line in an empty directory:

touch 1 .1 23 .23 456; echo [12]*

a. 1 .1 23 .23 456

b. an error message from **echo** saying [ab]* does not exist

c. 1 23

d. 1 .1 23 .23

e. [12]*

154. What would you type to find the string tony in the file /etc/passwd?

a. find /etc/passwd -user tony -print

b. find /etc/passwd -name tony -print

c. grep tony /etc/passwd

d. grep /etc/passwd tony

e. cat tony /etc/passwd

155. What command shows all the lines in file **cow** that contain the string **pig**?

a. grep pig <cow

b. grep cat cow pig

c. cat cow > grep pig

d. grep pig >cow

e. grep cow pig

156. What is the output of this command line in an empty directory:

touch .a .b .c ; echo .*

a. .*

b. .a .b .c

c. no output

d. an error message from **echo** saying .* does not exist

e. a .b .c

157. In an empty directory, what happens after this command line:

touch a b c; mv a b c

a. an error message: mv: target 'c' is not a directory

b. the files a and b are moved into the directory c

c. the files **a**, **b**, and **c** are moved to the current directory

d. the files a, b, and c are moved to the directory c

e. the files **a** and **b** are appended to the file **c**

158. If a shell token with a GLOB pattern contains two slashes, how many slashes can be in each matched pathname?

- a. one, two, or more
- b. exactly two
- c. one or two

1 Minute Per Question

- d. zero, one, or two
- e. two or more

159. If file /a contains 3 lines, and file /b contains 5 lines, then how many lines are in file /c after this command line:

cat /a /b >/c; sort /c >/c; sort /c /a /b >/c b. 3 c. 0 d. 5 e. 16 a. 8

160. In an empty directory, what is the output on your screen after this command line: touch 1 2 .a .b ; echo .*

- a. .*
- b. .a .b
- c. 1 2
- d.a .b
- e. an error message from echo saying .* does not exist

161. What is the output of this command line in an empty directory: cat *

- a. no output on screen
- b. an error message from cat saying * does not exist
- c.
- d. •
- e. *

162. If directory **cow** contains only these four three-character file names: **.AA**, **.A1**, **.BB**, **.B.**, then what is the output on your screen of this command line:

echo cow/*

- a. cow/.AA cow/.A1 cow/.BB
- b. cow/.AA cow/.A1 cow/.BB cow/.B.
- c. no output
- $d. \, \cos / .B.$
- e. cow/*

163. If a shell GLOB pattern fails to match anything, what happens by default? The shell:

- a. passes the pattern unchanged to the command
- b. gives an error message and does not execute
- c. returns the closest match to the pattern
- d. removes the pattern and passes nothing
- e. gives a warning message but continues

164. What is the output of this command line in an empty directory:

touch .12 .345 .6789; echo .??*

- a. .12 .345 .6789
- c. an error message from **echo** saying .??* does not exist
- d. .??*
- e. no output

165. Which pathname almost always leads to the same file named: /etc/passwd

a. ./etc/passwd

b. /./etc/./passwd

c. /etc/passwd/.

- d. /etc/../passwd
- e. /etc/etc/../passwd

166. What is the result of this exact command line: cat /foo bar

- a. all the files under directory **/foo** with the name **bar** will be displayed
- b. the two text strings / foo and bar will be displayed
- c. the contents of the files / foo and bar will be displayed
- d. file **/foo** will be copied to **bar**
- e. the names of the pathnames /foo and bar will be displayed

167. How can you ask the **bash** (Linux) shell to complete commands or file names for

- a. Type the first part of the command or file name and press the [ALT] key.
- b. Type the first part of the command or file name and press the [TAB] key.
- c. Type the first part of the command or file name and press the [CTRL]-[C] key.
- d. Type the first part of the command or file name and press the [ALT]-[F1]
- e. Type the first part of the command or file name and press the [CTRL]-[D] key.

168. If file x contains ten lines, and file y contains twenty lines, then how many lines are in file cat after this command line:

sort x y >z ; tail -5 x >x ; sort x y z >cat

- b. 40 *a*. 50
- c. 55
- d. 60

e. 0

169. What is the *current directory*?

- a. The directory named /current
- b. The directory that your shell (or any Unix process) is in now
- c. The directory into which you are placed when you first log in
- d. The directory named . . (dot dot)
- e. This is where "root" goes when "root" logs in to the system

170. Which *CTRL* key will erase a full line of typing in a terminal window?

- a. ^C
- *b*. ^R
- c. ^D
- d. ^U
- e. ^I

d. 1

71. In an empty directory, what is the output on your screen after this command echo hi >a ; ls >wc -1 a. a b. 0 c. 2	line: 180. If file foo contains 9 lines, each of which is the one-digit line number of the line in the file (1 through 9), what is the output on your screen of this command: sort foo foo tail -5 head -1
d. 1 e. no output	a. 9 b. 1 1 c. 5 5 d. 1 e. 7
172. Which of these command line will make file foo contain all of the content of file b ?	of file 181. How many arguments does the shell pass to this echo command: echo one two three >four five
<pre>a. cat a >foo ; cat b >>foo</pre>	a. 4 b. 5 c. 3 d. 6 e. 2
b. cp a >foo; cp b >>foo	182. Which of these commands always returns you to your account HOME directory?
c. mv a b >foo	a. cd home b . cd c . cd
d. echo a b >foo	d. cd /home e . cd /home/
e. cp a b >foo173. How many lines are in file out after this command line:echo hi >dog >out >cat	183. If my current working directory is /home, and my HOME directory is /home/me, which command copies the password file into my HOME directory under the name foo?
a. 2 b. 4 c. 1 d. 0 e. 3	a. cp//etc/passwd /me/foo
74. What is the output of this successful command sequence?	b. cp/etc/passwd/me/foo
cd /home/dir ; mkdir one ; mkdir two ; pwd	c. cp me///etc/passwd me/foo
a. /home/dir/one b. /home/dir/two	<pre>d. cp/home/me//etc/passwd ./me/./foo</pre>
c. /home/dir d. /two	<pre>e. cp ./me//etc/passwd/home/me/foo</pre>
e. /home/dir/one/two	184. In a directory that contains only the file foo , what happens after this command:
175. In an empty directory, how many lines are in file foo after this command lines.	
ls nosuchfile 2>foo	a. there is only the file named bar in the directory now
a. 4 b. 3 c. 0 d. 1 e. 2	
76. Which pathname almost always leads to the same file named: /bin/ls	c. an empty file named bar is created
a/bin/ls b. /./bin/./ls	 d. the command fails because bar is not a directory e. the command fails because the name bar does not exist
c. /bin//ls d. /bin//ls	
e. /./bin/./ls/.	185. If I am in my HOME directory named /home/me and x is an empty sub-directory, what is true after this command line:
177. How many arguments and options are there to the command: wc -wc wc	touch ./x/fil ; mv x/./fil x///me/./y
a. Two command name arguments and two bundled options.	a the dimensions of still country
b. Two command line arguments, one of which contains two bundled option	b. the command fails because the path $\mathbf{x}//\mathbf{me}$ does not exist
c. Two options, no arguments.	a the directory novy contains only a file named
d. Two arguments, one of which is a single option and the other is a pathnare. Two arguments, no options.	d. there is a second copy of the file fil in the file named y
	e. the command fails because the path x/./fil does not exist
178. If file foo contains 9 lines, each of which is the one-digit line number of the the file (1 through 9), what is the output on your screen of this command: cat foo foo cat tail -4 head -1	186. In an empty directory, how many words are in file out after this command line: touch a ; 1s >out
a. 7 b. 9 c. 5 d. 6 e. 8	a. 2 b. 4 c. 0 d. 1 e. 3
79. If file foo contains 9 lines, each of which is the one-digit line number of the	e line in 187. Which command line lists all possible utilities available for compiling programs?
the file (1 through 9), what is the output on your screen of this command:	a. grep 'compile' /etc/ b. man compile
cat foo foo sort tail -4 head -1	c. find compile $d.$ locate compile
<i>a.</i> 6 <i>b.</i> 8 <i>c.</i> no output	e. man -k compile

e. **4**

-23-

e. 100

```
188. What is the output of this command line in an empty directory: echo *
                                                                                     196. In a directory containing one file named mt, what is the output on your screen after
                                                                                          this command line: 1s 2>/dev/null nosuchfile
     b. an error message from echo saying * does not exist
                                                                                          a. no output
     c. *
                                                                                          b. ls: nosuchfile: No such file or directory
                                                                                          c. nosuchfile
     d. no output on screen
                                                                                          d. bash: 2>/dev/null: command not found
     e. .
                                                                                          e. mt
189. What is the output on your screen of this command line:
         echo hi >hi ; head hi >hi ; wc hi
                                                                                     197. If directory dir contains these three four-character file names: .123, .124,
                                                                                           •???, then what is the output on your screen of this command line:
    a. 1 1 2 hi
                               b. no output
                                                         c. 1 1 3 hi
                                                                                               echo dir/????
     d. 2 2 4 hi
                               e. 0 0 0 hi
                                                                                          a. dir/.123 dir/.124
190. What command displays the sizes of files in the current directory?
                                                                                          h. dir/????
    a. cat -s
                               b. ps -1
                                                         c. ls -1
                                                                                          c. dir/.123 dir/.124 dir/.???
    d. ls -p
                               e. ps -s
                                                                                          d. no output
191. What can you do to get back (redo) the last command you typed?
                                                                                          e. echo: dir/????: No such file or directory
     a. Type [CTRL]-[ALT]-[UP]
                                            b. Type [ALT]-[F2]
                                                                                     198. If the current directory contains 10 visible files and 15 visible sub-directories, what
     c. Use the "PageUp" key.
                                            d. Use the "UpArrow" key.
                                                                                          is the output on your screen of this command: ls -d */.
     e. Type [CTRL]-[BACKSPACE]
                                                                                          a. */.
192. What is your HOME directory?
                                                                                          b. an error message because */. does not exist
    a. The directory into which you are placed when you first log in
                                                                                          c. 15 directory names
    b. The directory that your shell is in now
                                                                                          d. 25 pathnames
    c. The directory named /home
                                                                                          e. no output
     d. The top directory of the Unix/Linux/BSD/OSX file system tree
                                                                                     199. If file a contains 20 lines, and file b contains 30 lines, then how many lines are in
     e. This is where "root" goes when "root" logs in to the system
                                                                                          file out after this command line:
193. Give the minimum number of directories in this pathname: /a/b/c/d
                                                                                               cat a b >c ; head c >c ; sort a b c >out
                    h. 3
     a. 2
                                    c. 5
                                                    d. 1
                                                                    e. 4
                                                                                          a. 30
                                                                                                          b. 50
                                                                                                                          c. 0
                                                                                                                                          d. 60
194. If I am in my HOME directory named /home/myhome and dir is an empty sub-
                                                                                     200. Which pathname almost always leads to the same file named: /etc/shadow
     directory, what is true after this command line:
                                                                                          a. /etc/shadow/./.
                                                                                                                                  b. /etc/shadow/../..
         touch new; mv ./dir/../new ../myhome/old
                                                                                          c. /etc/../../shadow
                                                                                                                                  d. /./../etc/./shadow
     a. the command fails because the path ./dir/../new does not exist
                                                                                          e. ././etc/shadow
     b. the command fails because the path ../myhome/old does not exist
                                                                                     201. Which command pipeline outputs the count of the number of manual page titles that
     c. there is a second copy of the file new in the file named old
                                                                                          contain the keyword "sort"?
     d. the parent directory of dir now has a file named old in it
                                                                                          a. wc -k sort
                                                                                                                                  b. wc man sort
     e. the directory dir now contains only a file named old
                                                                                          c. man -k sort | wc
                                                                                                                                  d. man sort; wc
195. If I am in my HOME directory named /home/ian and mt is an empty sub-
                                                                                          e. man sort | wc
     directory, what is true after this command line:
                                                                                     202. In the output of the command ls -a, the one-character name . signifies what?
         touch .../ian/cat; cp ./mt/../cat ./mt/../dog
                                                                                          a. A current file.
    a. the directory mt now contains two files
                                                                                          b. The parent directory.
     b. the command fails because the path ./mt/../cat does not exist
                                                                                          c. The ROOT directory.
     c. the directory mt is still empty
                                                                                          d. A name with an unprintable character.
     d. the directory mt now has a file named dog in it
                                                                                          e. The current directory.
     e. the file named cat is now renamed to dog
```

203.	Which command line displays all the names in the current directory that are exactl
	three digits long (and no others)?

a. echo [?][?][?]

b. echo [31[31[31

c. echo ???

d. echo [0-9][0-9][0-9]

1 Minute Per Question

e. echo [1-3][1-3][1-3]

- 204. If I am in directory /home/me and mt is an empty sub-directory, what is true after this command line: touch foo; mkdir bar; mv foo mt/bar
 - a. the directory **mt** now contains a file named **foo**
 - b. the command fails because **mt/bar** is not a directory
 - c. the directory **mt** is still empty
 - d. the directory bar now contains a file named foo
 - e. the directory mt now contains a file named bar
- 205. If my current working directory is /home, and my HOME directory is /home/me, which command copies the password file into my HOME directory under the name **foo**?
 - a. cp ../etc/passwd ./me/foo
 - b. cp ./me/../etc/passwd ../home/me/foo
 - c. cp ../home/me/../etc/passwd ./me/./foo
 - d. cp ../etc/passwd ../me/foo
 - e. cp ../../etc/passwd /me/foo
- 206. Given an existing file of yours named cat, what is the output on your screen of this command line: echo xx >cat ; head cat >cat ; wc cat
 - a. 1 1 2 cat
- b. 0 0 0 cat
- c. no output

- d. 2 2 4 cat.
- e. 1 1 3 cat
- 207. If file **foo** contains 9 lines, each of which is the one-digit line number of the line in the file (1 through 9), what is the output on your screen of this command:

sort foo foo | tail -4 | head -1

- a. 4 4
- c. 8
- d. 1 1

e. 6 6

- 208. If my current working directory is /var, which command copies the password file into directory /var/ian under the name bar?
 - a. cp ../../etc/./passwd /ian/bar
 - b. cp ./ian/../etc/passwd ian/bar
 - c. cp ././ian/../etc/passwd ../var/ian/bar
 - d. cp ../var/./ian/../etc/passwd ./ian/./bar
 - e. cp ./../etc/passwd ../ian/bar
- 209. What is true about this command line: date >1s; ls -1s ls >wc
 - *a.* The **ls** command receives the output of **date** on standard input.
 - b. The shell finds and executes three different commands.
 - c. The **wc** command counts the output of the **ls** command.
 - d. The file wc has one line in it.
 - e. The 1s command is executed more than once.

210. In an empty directory, what is the output on your screen after this command line:

echo hi >a ; sort * 1>/dev/null

- a. sort: 1>/dev/null: No such file or directory
- b. a
- c. hi
- d. no output
- e. sort: *: No such file or directory
- 211. If my current directory is /lib, which of these pathnames is equivalent to the file name /lib/foo?
 - a. $\frac{1}{2}$ /foo

h. /foo

c. ../lib/foo/.

d. ../foo

e. ./lib/foo

212. Which of the following statements is true about this command line:

<dir/c cat dir/d

- a. The command cat sees two arguments.
- b. The command cat sees only one argument.
- c. The command dir/c sees only one argument
- d. The command dir/c sees two arguments.
- e. The command is always invalid.
- 213. If file twenty contains twenty lines, and file thirty contains thirty lines, then how many lines are output on your screen by this command line:

tail thirty | cat twenty

- a. 20
- b. 21
- c. 0

- e. 30
- 214. In an empty directory, how many lines are in file out after this command line:

ls . .. nosuchfile 2>out

- *a.* 0
- b. 1
- c. 3
- d. 4

d. 50

e. 2

- 215. To prevent disconnections when using the Windows version of **Putty**, you should make this configuration change:
 - a. use your student number as your password
 - b. set the seconds between keepalives to 55
 - c. your password will not echo on your screen as you type
 - d. log in using your Blackboard userid
 - e. use your ACSIS password as your password
- 216. Which command line below outputs only lines 11-15 of the Unix password file?

a. head -10 /etc/passwd | tail -15 /etc/passwd

- b. head -15 /etc/passwd | tail -5 /etc/passwd
- c. head -15 /etc/passwd | tail -5
- d. tail -10 /etc/passwd | head -15 /etc/passwd
- e. tail -15 /etc/passwd | head -10
- 217. How many lines are in the file **bar** after this command line:

echo hi >x ; echo ho >>x ; cat x x >bar

- a. 0
- b. 1
- c. 6
- d. 4

e. 2

218. If file a contains 2 lines, and file b contains 3 lines, then how many lines are output on your screen by this command line: cat a | cat b

-29-

a. 0

a. 80

b. 5 e. 2 c. no output

d. 3

219. If file /a contains 30 lines, and file /b contains 50 lines, then how many lines are in file /c after this command line:

cat /a /b >/c; sort /c >/c; sort /c /a /b >/c

b. 0

c. 160

d. 50 e. 30

220. What is the correct syntax to redirect both standard output and standard error into the same output file?

a. date 2>1 >out

b. date >out 2>&1

c. date 1>out 2>1

d. date 2>&1 >out

d. 4

e. date 1>out 2>out

221. Which command line displays the contents of the Unix passwd file one page at a time?

a. less /etc/passwd

b. /etc/passwd | less

c. /etc/passwd cat less

d. cat /etc/passwd less

e. cat less | /etc/passwd

222. Which command line does *not* show any lines from inside the file **bat**?

a. sort bat

b. head bat

c. less bat

d. tail bat

e. 1s bat

223. In which section of the manual do you find standard commands?

a. 8

b. 2

c. 3

e. 1

224. If **foo** is a sub-directory that contains only the file **bar**, what happens after this command: mv ./foo/bar foo/../me

a. the directory **foo** now contains only a file named **me**

b. the command fails because the name ./foo/bar does not exist

c. the command fails because the name **me** does not exist

d. there is a second copy of the file bar in the file named me

e. the directory **foo** is now empty

225. If I am in directory /home/me and mt is an empty sub-directory, what is true after this command line:

touch ./mt/foo; mv mt/./foo mt/../../me/./y

a. the directory **mt** is still empty

b. the command fails because the path mt/../../me does not exist

c. the directory **mt** now contains only a file named **y**

d. there is a second copy of the file **foo** in the file named y

e. the command fails because the path mt/./foo does not exist

226. In a directory containing one file named **dog**, what is the output on your screen after this command line: 1>/dev/null ls *

a. dog

227 M/C Questions

b. no output

c. bash: 1>/dev/null: command not found

d. ls: *: No such file or directory

e. *

227. Did you read all the words of the test instructions on page one?

a. Sim (Yes - Portuguese)

b. Jes (Yes - Esperanto)

c. Taip (Yes - Lithuanian)

d. Tak (Yes - Polish)

e. Igen (Yes - Hungarian)