PRINT Name: LAB Section:	6. What is the output on your screen after this command line: mkdir dir; touch dir/.aa dir/.bb; echo dir/*
One-Answer Multiple Choice 229 Questions Wei	a. dir/*
Read all the words of these instructions and both sides (back and front) of all Manage your time. Answer questions you know, first. One Answer per question PRINT your Name and Lab on this Question Sheet. You may write or draw of Use your full, unabbreviated name on the mark-sense form. Do not abbreviate Enter your NAME, Student Number, and Answers. Fill in the bubbles with per The answer to the questions below about reading/doing all these test instructions.	b. no output pages. ion. c. dir/. dir/.aa dir/.bb on this sheet. e your name. encil, no pen. b. no output c. dir/.aa dir/.bb d. dir/.aa dir/.bb e. dir/ T. In an empty directory, how many arguments are passed to the wc command in this
191. Answer 191 is 192. Answer 192 is 193. Answer 193 is 194. Answer 194 is 195. Answer 195 is 196. Answer 196 is Pour Test Version is: E C A A B D Fill in the bubbles for the above six let six answers 191 through 196 on the base of the Scantron form, in the lower-right answer column.	8. What is the result of this exact command line: echo /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 names of the pathnames /foo and bar will be displayed d. the contents of the files /foo and bar will be displayed e. file /foo will be copied to bar
 Did you read all the words of the test instructions on page one? a. Taip (Yes - Lithuanian) b. Tak (Yes - Polish) c. Igen (Yes - Hungarian) d. Jes (Yes - Esperanto) e. Sim (Yes - Portuguese) My three-digit Lab Section number is: a. The Test Version number printed in the top left corner. b. My lab room number: B384, A219, B132, B185, P213 	9. 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 a .ab .cde .fghi ccde .fghi d??* eab .cde .fghi 10. In an empty directory, how many words are in file foo after this command line: date >.bar >.out; ls >foo
 c. My lecture room number, e.g. T119, C346 d. The timetable section number of my weekly 2-hour lab period. e. My lecture section number, e.g. 010 or 020. 	 a. 2 b. 3 c. 4 d. 0 e. 1 11. How can you ask the bash (Linux) shell to complete commands or file names for
3. In which section of the manual do you find super-user and admin command a. 8 b. 1 c. 2 d. 3 e.	/p p p
4. How many lines are in file out after this command line: date >wc >cat >out	 b. Type the first part of the command or file name and press the [ALT] - [F1] key.
a. 0 0 0 b. 0 c. 1 d. 2 e. 1 6 29 5. What is the absolute pathname of the Unix/Linux password (account) file?	 c. Type the first part of the command or file name and press the [TAB] key. d. Type the first part of the command or file name and press the [CTRL] - [D] key.
a. /bin/passwd b. /usr/passwd c. /etc/pas d. /lib/passwd e. /var/passwd	e. Type the first part of the command or file name and press the [ALT] key. Which command line shows the file in /bin with the largest checksum? a. cat /bin sum sort -nr head -n 1 b. cat /bin/* sum sort -nr head -n 1 c. sum /bin sort -nr head -n 1

1 Minute Per Question

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

-2-

a. 0

13.	To change your own account password, use this exact command line:
	a. \$ passwd cst8207
	b. \$ passwd options LOGIN
	c. \$ passwd
	d. \$ passwd cst8207.idallen.ca
	e. \$ passwd root
14.	The output of the find command is:
	a. account names matching a pattern
	b. finds lines in a file matching a pattern
	c. a recursive list of users logged in to the system
	d. a recursive list of pathnames
1.5	e. finds patterns in a file corresponding to lines
15.	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 -n 3 head -n 1
	a. 8 8 b. 8 c. 2 2 d. 1 e. 9
16.	If /etc/passwd is a file name, which pathname always leads to the same file?
10.	a. /etc/passwd// b/etc/passwd
	c. /etc/./passwd
	e. /etc/passwd/.
17.	Which of these characters is <i>not</i> a shell GLOB meta-character?
17.	a. ? b. [c. * d. # e.]
18.	Which pathname almost always leads to the same file named: /etc/passwd?
10.	a/etc/passwd b. /etc//etc/./passwd
	c/etc/passwd d. /etc/passwd/.
	e. /etc/./etc//passwd
19.	How many words are in the file \mathbf{x} after this command line:
17.	echo 1 2 >x ; echo 3 >x ; echo 4 >>x
	a. 2 b. 4 c. 1 d. 0 e. 3
20.	What is the output of this command line in an empty directory:
	touch .a .b .c ; echo .??*
	a. an error message from echo saying .??* does not exist
	b. no output
	c??*
	da .b .c
	ea .b .c
21.	The option to 1s that shows hidden names is:
	a1 bh $c1$ da ei

-3-

```
22. 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:
         echo dir/???
    a. dir/???
    b. no output
    c. dir/.aa dir/.ab dir/.a? dir/.a*
    d. dir/.aa dir/.ab
    e. dir/.a?
23. In an empty directory, what is the output on your screen after this command line:
         echo hi >a ; ls >wc -l
                               b. no output
    a. a
                                                         c. 1
    d. 0
                               e. 2
24. Which of these pathnames is not an absolute pathname (after all shell expansions)?
    a. ~/foo
                               b. /foo
                                                         c. $HOME/foo
                               e. foo
    d. /../foo
25. What is the output of this command line in an empty directory:
         touch .a .b .c; echo .*
    a. . .. .a .b .c
    b. no output
    c. an error message from echo saying .* does not exist
    d. .*
    e. .a .b .c
26. The purpose of the PS1 shell variable is:
    a. to set the shell prompt
    b. to find patterns inside a text file
    c. to allow access to the ROOT directory
    d. to protect your HOME directory from access
    e. to list your suspended jobs
27. Which command line displays only the names in the current directory that are
    exactly three digits long (and no other names)?
                                            b. echo [?][?][?]
    a. echo [3][3][3]
    c. echo ???
                                            d. echo [0-9][0-9][0-9]
    e. echo [1-3] [1-3] [1-3]
```

-4-

28. 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

c. 3

d. 2

e. 8

h. 5

29. 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
```

30. 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. there is a second copy of the file **foo** in the file named **bar**
- c. the command fails because the name ./ian/../bar does not exist
- d. the directory ian now contains only a file named bar
- e. the command fails because the name ./ian/./foo does not exist

31. What is the output of this successful command sequence?

```
cd /home/dir; mkdir one; mkdir two; pwd
```

a. /two

b. /home/dir/two

c. /home/dir/one

d. /home/dir/one/two

- e. /home/dir
- 32. In which section of the manual do you find standard commands?
 - a. 2
- *b*. 1
- *c*. 4
- *d*. 8
- *e*. 3

1 Minute Per Question

33. 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. dog
- *b.* no output
- c. bash: 2>/dev/null: command not found
- d. nosuchfile
- e. ls: nosuchfile: No such file or directory

34. What is the result of this exact command line: 1s /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. all the files under directory **/foo** with the name **bar** will be displayed
- d. the names of the pathnames **/foo** and **bar** will be displayed
- e. file **/foo** will be copied to **bar**
- 35. If file **x** contains ten lines, and file **y** contains twenty lines, then how many lines are in file **cat** after this command line:

36. If file **ten** contains ten lines, and file **twenty** contains twenty lines, then how many lines are output on your screen by this command line:

cat twenty | sort ten

- *a.* 10 *b.* 0
- С.
 - c. 60
- *d*. 30

e. 20

37. 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

- *a.* **2** followed by **1**
- b. 2

c. **1**

- d. no output
- e. 1 followed by 2
- 38. 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 -n 2 | head -n 1 a. 9 b. 8 c. 2 2 d. 8 8 e. 1

39. 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:

- a. [CTRL]-[C]
- b. [TAB]

c. [ALT]

- d. [ALT]-[F1]
- e. [CTRL]-[D]
- 40. 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 -n 5 y >y ; sort x y z >cat
$$a. 60$$
 $b. 40$ $c. 50$ $d. 45$ $e. 0$

- 41. 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 can be entered in upper-case or lower-case letters; they are equivalent.
 - d. Unix commands must be entered in lower-case letters.
 - e. To indicate End-of-File (no more input), type [CTRL]-[C].
- 42. 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 -n 4 | tail -n 1 a. 6 b. 5 c. 9 d. 8 e. 7
```

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

a. /passwd

b. ../etc/passwd/.

 $\it c$../passwd

d.../passwd

229 M/C Questions

229 M/C Questions

```
44. In an empty directory, what happens after this command line:
         mkdir a b c; mv a b c
     a. the directories a and b are moved into the directory c
     b. the directories a, b, and c are moved to the directory c
     c. the directories a and b are appended to the directory c
     d. an error message: mv: target 'c' is not a directory
     e. the directories a, b, and c are moved to the current directory
45. In a directory containing one file named mt, what is the output on your screen after
     this command line: 1s 2>/dev/null nosuchfile
     a. ls: nosuchfile: No such file or directory
     b. mt.
     c. bash: 2>/dev/null: command not found
     d. nosuchfile
     e. no output
46. In an empty directory, what is the output on your screen after this command line:
         date >.foo >.bar ; ls *
     a. . . . . foo .bar
     b. no output
    c. .foo .bar
     d. *
     e. an error message from ls saying * does not exist
47. 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 : my foo bar/mt
     a. the directory mt now contains a directory named bar
     b. the command fails because bar/mt 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 foo
48. If directory dir contains these three four-character file names: .123, .124,
     .???, then what is the output on your screen of this command line:
         echo dir/????
     a. dir/????
    b. no output
    c. dir/.123 dir/.124
     d. echo: dir/????: No such file or directory
     e. dir/.123 dir/.124 dir/.???
```

```
49. 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 cow/.B.
    b. cow/*
    c. cow/.AA cow/.A1 cow/.BB
    d. cow/.B.
    e. no output
50. 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 command fails because the path mt/../foo does not exist
    b. the directory mt now contains only a file named bar
    c. there is a second copy of the file foo in the file named bar
    d. the directory . . /me now contains a file named bar
    e. the command fails because the path mt/../bar does not exist
51. 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. 4
                    b. 3
                                   c. 2
                                                  d. none
                                                                 e. 1
52. In an empty directory, what is the output on your screen after this command line:
         ls out 2>/dev/null
    a. ls: /dev/null: No such file or directory
    b. ls: out: No such file or directory
    c. out
    d. no output
    e. ls: out 2>/dev/null: No such file or directory
53. Which of these commands always returns you to your account HOME directory?
    a. cd
                              b. cd ..
                                                       c. cd /home/..
    d. cd /home
                              e. cd home
54. 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
55. In an empty directory, what is the output on your screen after this command line:
         touch 1 2 .a .b ; echo .*
    a. . . . . a .b
    b. .*
    c. 1 2
    d. .a .b
    e. an error message from echo saying . * does not exist
```

-8-

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

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

- a. the directory $\operatorname{\mathtt{dir}}$ now contains only a file named $\operatorname{\mathtt{old}}$
- b. there is a second copy of the file **new** in the file named **old**
- c. the parent directory of dir now has a file named old in it
- d. the command fails because the path ./dir/../new does not exist
- e. the command fails because the path . . /myhome/old does not exist

57. Which of the following commands will leave **file1** non-empty?

```
a. cat file1 > file1
```

b. tail file1 > file1

c. sort file1 > file1

d. head file1 > file1

e. wc file1 > file1

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

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

a. /bin/bash/.

b. /bin/bash/..

c. ./bin/bash

d. /../../bin/bash

e. /bin/../bash

60. The shell meta-character used to separate multiple separate commands on the same line of typing is:

a. ;

b. : c. @

d. +

e. ,

61. Which command line below outputs only lines 11-15 of the Unix password file?

a. head -n 15 /etc/passwd | tail -n 5

b. head -n 10 /etc/passwd | tail -n 15 /etc/passwd

c. tail -n 15 /etc/passwd | head -n 10

d. head -n 15 /etc/passwd | tail -n 5 /etc/passwd

 $\it e.$ tail -n 10 /etc/passwd | head -n 15 /etc/passwd

62. 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 -n 4 | head -n 1

a. 96d. 98

b. 96 96 e. 01 01

c. 04 04

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

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

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

b. [ab]*

c. no output

 $\emph{d}.$ a .a bc .bc

e. a bc

64. If my current directory is **/bin**, which of these pathnames is equivalent to the file name **/bin/ls**?

a. /root/bin/ls

b. ls/.

c. ../../bin/ls

d. ../bin/ls/.

e. ./bin/ls

65. In an empty directory, how many arguments are passed to the **rm** command in this command line: **touch a a1 a2 ba ca**; **rm a***

a. **2**

b. none

c.

d. **4**

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

a. 4

b. 3

c. 2

d. 1

e. 0

e. 1

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

<dir/c cat dir/d

a. The command dir/c sees two arguments.

b. The command cat sees only one argument.

c. The command is always invalid.

d. The command dir/c sees only one argument

e. The command cat sees two arguments.

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

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

b. an empty file named **me** is created

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

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

e. there is only the file named **me** in the directory now

69. 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. 10

c. 8

d. 7

e. 12

70. If my current working directory is **/var**, which command copies the password file into directory **/var/ian** under the name **bar**?

a. cp ../var/./ian/../etc/passwd ./ian/./bar

b. cp ../../etc/./passwd /ian/bar

c. cp ./../etc/passwd ../ian/bar

e. cp ./ian/../../etc/passwd ian/bar

71. How many lines are in the file **bar** after this command line:

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

a. 6

b. 2

c. 4

d. 1

e. 0

- 72. In the output of **ls** -**a**, the two-character name . . signifies what?
 - a. The current directory.
 - b. The ROOT directory.
 - c. The parent directory.
 - d. A file or directory with double links.
 - e. It begins every name that is hidden.
- 73. 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. your password will not echo on your screen as you type
 - c. log in using your Blackboard userid
 - d. set the seconds between keepalives to 55
 - e. use your ACSIS password as your password
- 74. What is the output on your screen of this command line:

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

a. cow

b. pig followed by cow

c. pig

d. an error message

- e. cow followed by pig
- 75. 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. /x/y/z

1 Minute Per Question

- d. ./usr/x/y/z
- e. ../usr/y/z
- 76. 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
 - b. cp ../../bin/./ls /foo/xx
 - c. cp ./../bin/ls ../foo/xx
 - d. cp ./foo/../../bin/ls ./foo/./xx
 - e. cp ././foo/../bin/ls ../home/foo/xx
- 77. What happens when you try to change to the parent directory of ROOT, e.g. cd / ; cd ..
 - a. the shell current directory is still ROOT; no change
 - b. the shell issues an error message and does not change
 - c. you go to the parent directory containing your C: drive
 - d. the shell issues a warning, but changes to the parent
 - e. the shell asks you to retype this invalid directory

- 78. What is the output of this command line in an empty directory: cat *
 - a. an error message from cat saying * does not exist
 - b. no output
 - c. . d. *
- 79. What is the correct syntax to redirect both standard output and standard error into the same output file?

-12-

a. date 2>1 >out

- b. date 1>out 2>1
- c. date 1>out 2>out
- d. date >out 2>&1

- e. date 2>&1 >out
- 80. 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. 20 *b*. 50
- c. 0
- d. 30
- e. 40
- 81. Which pathname almost always leads to the same file named: /etc/shadow
 - a. /./../etc/./shadow
- b. /etc/shadow/./.

c. ././etc/shadow

- d. /etc/../../shadow
- e. /etc/shadow/../..
- 82. If my current directory is /lib, which of these pathnames is equivalent to the pathname /lib/x/y?
 - a. /x/y
- b. ../lib/y *e.* ../lib/x/y
- c. ../x/y

- d. ./lib/x/y
- 83. If I am in my HOME directory named /home/me and sub is an empty subdirectory, what is true after this command line:

touch ./fil ; mv sub/../fil ../me/cat

- a. there is a second copy of the file **fil** in the file named **cat**
- b. the command fails because the path sub/../fil does not exist
- c. the directory **sub/..** now has a file named **cat** in it
- d. the directory sub now contains only a file named cat
- e. the command fails because the path . . /me/cat does not exist
- 84. What is an operating system?
 - a. A video display card.
 - b. A word-processing computer program.
 - c. An accounting package program.
 - d. A web-browser program.
 - e. A computer program that manages the hardware.
- 85. Which pathname almost always leads to the same file named: /bin/ls
 - a. /bin/../ls

b. /bin/./bin/../ls

c. /./bin/./ls/.

d. /./bin/./ls

e. ./bin/ls

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

a. ../x/y b. ../etc/y c. /x/y d. ../etc/x/y e. ./etc/x/y

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

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 . . /me/bar does not exist

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

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

e. the directory **me** now contains a file named **bar**

88. The basic purpose of a shell is:

a. to search for strings inside text files

b. to program system administration backup procedures

c. to expand pathnames

d. to format hard drives

e. to find and run commands

89. What command can you use to delete an empty directory?

a. delete b. erase c. mvdir

d. deldir e. rmdir

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

a. /root/etc/passwdc. passwd/.

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

e. ../etc/passwd/.

91. The command that creates a directory and all parent directories is:

a. rm -r a/b/c

b. touch a/b/c

c. rmdir -r a/b/c

d. mkdir -r a/b/c

e. mkdir -p a/b/c

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

a. 1

b. 2 c. 4

d. 3

e. none

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

a. grep cat cow pig

b. grep cow pig

c. cat cow > grep pig

d. grep pig <cow

e. grep pig >cow

94. If I am in my HOME directory named **/home/me** and **x** is an empty sub-directory, what is true after this command line:

touch ./x/fil; mv x/./fil x/../../me/./y

a. the directory \mathbf{x} now contains only a file named \mathbf{y}

b. there is a second copy of the file fil in the file named y

c. the command fails because the path $\mathbf{x}/.../.../me$ does not exist

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

e. the directory **x** is still empty

95. 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 **me** does not exist

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

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

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

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

96. How many lines are in the file **bar** after this command line:

echo hi >x ; echo ho >>x ; cat x x >bar
a. 2 b. 1 c. 6 d. 0 e. 4

97. In a manual page **SYNOPSIS** section, ellipsis (three dots) (...) mean:

a. the parent directory

b. no special meaning

c. something that is repeated

d. a hidden directory

e. something that is optional

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

ls nosuchfile 2>out

a. 2 not found

b nosuchfile

c. nosuchfile 2 not found

d. nosuchfile not found

e. no output

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

a. /etc/etc/../passwd

b. /etc/passwd/.

c. /etc/../passwd

d. /./etc/./passwd

 $\it e$. ./etc/passwd

100. In the output of the command ${\tt ls}$ ${\tt -a}$, the one-character name . signifies what?

a. The current directory.

b. The parent directory.

c. The ROOT directory.

d. A current file.

e. A name with an unprintable character.

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

a. /./../etc/./shadow

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

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

d. /etc/../../shadow

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

a. /etc/passwd | less

b. less /etc/passwd

c. cat less | /etc/passwd

d. /etc/passwd cat less

1 Minute Per Question

e. cat /etc/passwd less

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

a. grep 'compile' /etc/

b. find compile

c. locate compile

d. man compile

e. man -k compile

104. What is your HOME directory?

a. The top directory of the Unix/Linux/BSD/OSX file system tree

b. The directory named /home

c. This is where "root" goes when "root" logs in to the system

d. The directory into which you are placed when you first log in

e. The directory that your shell is in now

105. How many arguments and options are there to the command: wc -wc wc

a. Two command name arguments and two bundled options.

b. Two command line arguments, one of which contains two bundled options.

c. Two arguments, no options.

d. Two arguments, one of which is a single option and the other is a pathname.

e. Two options, no arguments.

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

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

a. 1 6 28 date

b. no output

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

d. wc

e. 1 6 29 date

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

a. -1

b. -a

c. -1

d. -d

e. -i

108. If file **a** contains 2 lines, and file **b** contains 3 lines, then how many lines are in file **c** after this command line:

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

a. 8

b. 0

c. 5

d. 7

e. 12

109. 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 directory **mt** now contains only a file named **bar**

b. there is a second copy of the file **foo** in the 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. the command fails because path ./mt/../foo does not exist

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

-16-

touch a b .1 .2; echo .??*

a. **a b**

b. . .. a b .1 .2

c. .??*

d.1 .2

e. an error message from echo saying .??* does not exist

111. To leave a shell and let the terminal window close, type:

a. exit

b. quit

c. [CTRL-C]

d. q

e. bye

112. 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. 200

b. 60

c. **160**

d. 100

e. 40

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

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

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

b. [.]*

c. .a .ab .abc

d.a .ab .abc

e. no output

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

a. there is only the file named **moo** in the directory now

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

c. an empty file named **moo** is created

d. the command fails because the name **moo** does not exist

e. there is a second copy of the file bar in the file named moo

115. What do you do to erase an entire line of typing in the shell?

a. type [CTRL-C]

b. type [CTRL-U]

c. type [CTRL-D]

d. type [CTRL-W]

e. select the line with the mouse and use the **DEL** key

116. What command can you use to delete a directory that isn't empty?

a. deldir -r dir

b. rmdir -r dir

c. rm -r dir

d. deltree -r dir

e. del -r dir

117. Given the pathname **a/b/c**, the *basename* of this pathname is:

a. c

b. b/c

c

c. a

d. **b**

e. **a/b**

e. no output

1 Minute Per Question

```
118. If foo is a sub-directory that contains only the file bar, what happens after this
     command: cp foo/bar ./foo/../me
    a. there is a second copy of the file bar in directory foo
    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
    e. the command fails because the name foo/bar does not exist
119. 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. file /foo will be copied to bar
    c. the names of the pathnames /foo and bar will be displayed
    d. the contents of the files /foo and bar will be displayed
    e. the two text strings /foo and bar will be displayed
120. 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
                    b. 80
                                    c. 0
                                                    d. 70
    a. 50
                                                                   e. 120
121. If file a contains 2 lines, and file b contains 3 lines, then how many lines are output
    on your screen by this: cp b a | head
    a. 3 followed by 2
                               b. 3
                                                         c. 2 followed by 3
    d. no output
                               e. 2
122. If my current directory is /home, which of these pathnames is equivalent to the
    pathname /home/a/b/c?
    a. ../home/b/c
                                            b.../home/a/b/c
    c. ./home/a/b/c
                                            d. /a/b/c
    e. ../a/b/c
123. What is the output of this command line in an empty directory:
         touch 1 2 3 .a .b .c ; echo .??*
    a. .a .b .c
    b. an error message from echo saying .??* does not exist
    c. . .. .a .b .c
    d. . . . 1 2 3 .a .b .c
    e. .??*
124. What would you type to find the string tony in the file /etc/passwd?
    a. cat tony /etc/passwd
    b. grep tony /etc/passwd
    c. find /etc/passwd -name tony -print
    d. grep /etc/passwd tony
    e. find /etc/passwd -user tony -print
```

```
-18-
125. 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 -n 4 | head -n 1
    a. 8
                    b. 6
                                   c. 4 4
                                                   d. 1 1
                                                                   e. 6 6
126. 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
127. What would you see if you typed this command: cat /foo
    a. The contents of the file foo located in your HOME directory
    b. The contents of your directory named foo
    c. The contents of the file foo located in the ROOT directory
    d. The contents of the file foo located in the parent directory
    e. The contents of your subdirectory named foo
128. If /bin/bash is a file name, which pathname always leads to the same file?
    a. /bin/bash/.
                                           b. /bin/../bash
    c. /./bin/./bash
                                           d. /bin/bin/../bash
    e. ./bin/bash
129. The shell expands a leading tilde (~) in a pathname (e.g. ~/foo) to be:
                                           b. your HOME directory
    a. the parent directory
    c. the current directory
                                           d. the directory /root
    e. the ROOT directory
130. 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*
                    h. 4
                                                   d. 2
                                   c. 3
    a. 5
                                                                  e. 1
131. In an empty directory, what is the output on your screen after this command line:
         echo hi >a ; sort * 1>/dev/null
    a. a
    b. no output
    c. sort: 1>/dev/null: No such file or directory
    d. sort: *: No such file or directory
    e. hi
132. If the current directory contains 10 visible files and 15 visible sub-directories, what
    is the output on your screen of this command: ls -d */.
    a. an error message because */. does not exist
    b. 15 directory names
    c. 25 pathnames
    d. */.
```

- 133. In a directory that contains only the file **foo**, what happens after this command: mv foo bar
 - a. there is a copy of the file named **foo** in the file named **bar**
 - b. the command fails because the name **bar** does not exist
 - c. there is only the file named **bar** in the directory now
 - d. an empty file named **bar** is created
 - e. the command fails because **bar** is not a directory
- 134. 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 me/../../etc/passwd me/foo
 - e. cp ../etc/passwd ../me/foo
- 135. In a directory that contains only the file **foo**, what happens after this command: cp foo bar
 - a. the command fails because the name bar does not exist
 - b. an empty file named bar is created
 - c. the command fails because **bar** is not a directory
 - d. there is only the file named **bar** in the directory now
 - e. there is a copy of the file named **foo** in the file named **bar**
- 136. If /bin/bash is a file name, which pathname always leads to the same file?
 - a. ./../bin/bash

b. /bin/../bash

c. /../bin/./bash

d. /bin/bin/../bash

- e. /bin/bash/.
- 137. 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 cat does not exist
 - b. the command fails because the name cow/././cat does not exist
 - c. the directory **cow** is now empty
 - d. there is a second copy of the file dog in the file named cat
 - e. the directory cow now contains only a file named cat
- 138. What is the output of this command line in an empty directory:

```
touch .1 .2 .3 4 5 6; echo .*
```

- a. .1 .2 .3 4 5 6
- b. .*
- c. 4 5 6
- d.1 .2 .3
- e. an error message from echo saying . * does not exist

- 139. What can you do to get back (redo) the last command you typed?
 - a. Use the "PageUp" key.

b. Type [CTRL] - [ALT] - [UP]

c. Type [ALT]-[F2]

- d. Use the "**UpArrow**" key.
- e. Type [CTRL]-[BACKSPACE]
- 140. Which of these statements is true?
 - a. The **file** command creates a new, empty file in the current directory
 - b. To erase an entire line of typing, type [ALT] [DELETE].
 - c. Command apropos is an exact synonym for command man.
 - d. To indicate End-of-File (no more input) to a program, type [CTRL] [D].

-20-

- e. To interrupt a Unix process from the keyboard, type [CTRL]-[D].
- 141. How do you search for the word **nongraphic** in the man page for **ls**?
 - a. type man ls -nongraphic at the shell
 - b. type man 1s at the shell, then 'F (CTRL-F), then nongraphic
 - c. type man -k nongraphic at the shell
 - d. type man 1s at the shell, then /nongraphic
 - e. type man nongraphic | grep 1s at the shell
- 142. What is the output of this command line in an empty directory:

```
touch .a .b .c ; echo [.]*
```

- a. an error message from **echo** saying [.] * does not exist
- b. [.1*
- c. a .b .c
- d. .a .b .c
- e. no output
- 143. 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/etc/../passwd
- 144. How many lines are in file **out** after this command line:

- a. 4
- *b*. 3
- c. 1
- d. 2
- e. 0
- 145. What is the output of this command line in an empty directory:

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

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

- b. 1 23
- c. 1 .1 23 .23
- d. 1 .1 23 .23 456
- e. [12]*
- 146. How do I search for the string **foo** in the text display output from the **man** command?
 - a. Qfoo

- b. search foo
- c. select "Search" in the menu
- d. find foo

e. /foo

1 Minute Per Question

1 47	The	1 : _
14/	The output of the tree	commana is

- a. the tree of users logged in to the system
- b. a recursive list of users logged in to the system
- c. an indented, recursive list of directories and their contents
- d. the tree of files under your HOME directory
- e. the tree of files under the ROOT directory

148. In an empty directory, how many lines are in file **out** after this command line:

ls . .. nosuchfile 2>out *a*. 0 b. 1 c. 4 d. 2 e. 3

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

ls 1>/dev/null nosuchfile

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

- b. nosuchfile
- c. no output
- d. ls: nosuchfile: No such file or directory
- e. ls: 1>/dev/null nosuchfile: No such file or directory
- 150. 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** now contains only a file named **y**
- b. there is a second copy of the file **foo** in the file named **y**
- c. the command fails because the path mt/./foo does not exist
- d. the directory **mt** is still empty
- e. the command fails because the path mt/../../me does not exist
- 151. Which command pipeline outputs the count of the number of manual page titles that contain the keyword "sort"?
 - a. man sort | wc

b. man sort; wc

c. wc -k sort

d. wc man sort

- e. man -k sort | wc
- 152. In the output of the command **ls** -a, a dot (period) that *begins* a name signifies what?
 - a. The current directory.
 - b. A name that is hidden.
 - c. The parent directory.
 - d. A current file.
 - e. A name with an unprintable character.

- 153. 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** is now empty
 - b. there is a second copy of the file bar in the file named me
 - c. the command fails because the name **me** does not exist
 - d. the command fails because the name ./foo/bar does not exist
 - e. the directory **foo** now contains only a file named **me**
- 154. What is the *current directory*?
 - a. The directory that your shell (or any Unix process) is in now
 - b. The directory named . . (dot dot)
 - c. This is where "root" goes when "root" logs in to the system
 - d. The directory into which you are placed when you first log in
 - e. The directory named /current
- 155. If a shell token with a GLOB pattern contains two slashes, how many slashes can be in each matched pathname?
 - a. exactly two
- b. one or two
- c. two or more

- d. zero, one, or two
- e. one, two, or more
- 156. Which command line below does *not* show any lines from inside the file **out**?
 - a. head out
- b. sort out
- c. more out
- d. tail out e. wc out
- 157. In an empty directory, how many lines are in file **foo** after this command line:

ls nosuchfile . .. 2>foo h. 4 c. 0 d. 2

a. 1

e. 3

158. In an empty directory, how many words are in file **pig** after this command line: touch pig pig ; ls >pig

a. 4

b. 3

d. 0

e. 1

159. What is the Unix user name for the Super-User account?

a. root

b. superuser

c. master

d. alterego

e. administrator

- 160. If a shell GLOB pattern fails to match anything, what happens by default? The shell:
 - a. removes the pattern and passes nothing
 - b. passes the pattern unchanged to the command
 - c. gives an error message and does not execute
 - d. gives a warning message but continues
 - e. returns the closest match to the pattern
- 161. 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. 0 0 0 cat

b. 2 2 4 cat

c. 1 1 3 cat

d. no output

e. 1 1 2 cat

d. 0

e. ^C

e. 6

162. What is the output on your screen of this command line: 170. What is in file foo after this command line: echo 1 2 >foo 3 echo pig >one ; echo bat | tail one a. nothing (empty file) h. 3 a. bat followed by pig c. 1 2 b. pig d echo 1 2 c. pig followed by bat d. an error message e. 1 2 3 e. bat. 171. If you type the command **sleep 60**, which *CTRL* key will **interrupt** it and take 163. Which of these command line will make file **foo** contain all of the content of file you back to the command prompt? **a** followed by all of the content of file **b**? a. ^U b. ^**R** d. ^I c. ^D a. mv a b >foo 172. In an empty directory, what is the output on your screen after this command line: b. cp a b >foo echo hi >a ; ls nosuchfile 2>/dev/null c. echo a b >foo a. a d. cp a >foo; cp b >>foo b. no output e. cat a >foo ; cat b >>foo c. ls: 2>/dev/null: No such file or directory 164. What is in the file **bar** after this command line: d. ls: nosuchfile: No such file or directory echo hi >x ; echo ho >x ; mv x y >bar e. nosuchfile b. no such file (nonexistent) a. hi 173. What is the output of this command line in an empty directory: *c*. nothing (empty file) d. hi followed by ho touch .12 .345 .6789; echo .??* e. ho a. .??* 165. What is the output on your screen after this command line: b.12 .345 .6789 echo hi >a ; ls a > wc c. no output b. 1 1 3 a. 2 c. no output d. .12 .345 .6789 d. 3 e. 1 1 2 e. an error message from echo saying .??* does not exist 166. In a manual page **SYNOPSIS** section, square brackets ([]) mean: 174. 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? b. something that is repeated a. something that is optional c. no special meaning d. a GLOB pattern matching a list a. cp ../etc/passwd ./me/foo e. an arithmetic expression b. cp ../home/me/../etc/passwd ./me/./foo c. cp ../etc/passwd ../me/foo 167. What is true about this command line: date >1s; ls -ls ls >wc d. cp ../../etc/passwd /me/foo a. The file wc has one line in it. e. cp ./me/../etc/passwd ../home/me/foo b. The shell finds and executes three different commands. 175. How many arguments does the shell pass to this **echo** command: c. The **1s** command is executed more than once. d. The wc command counts the output of the 1s command. echo one two three >four five e. The 1s command receives the output of date on standard input. *a*. 5 b. 3 c. 2 d. 4 176. If directory dir contains only these four three-character file names: .on, .tw, 168. Which command below is the best way to find a line containing an asterisk (*) in the file named **foo**? .th, .f., then what is the output on your screen of this command line: echo dir/* a. fgrep foo [*] b. fgrep '*' foo d. fgrep ./* foo c. fgrep * foo a. dir/.f. b. dir/. dir/.. dir/.on dir/.tw dir/.th dir/.f. e. fgrep foo "*" c. dir/* 169. If file a contains 2 lines, and file b contains 3 lines, then how many lines are output d. no output on your screen by this command line: cat a | cat b e. dir/.on dir/.tw dir/.th *a*. 5 b. no output c. 2

e. 3

177.	Which command line displays only the non-hidden names in the current directory
	that contain the case-insensitive word me (and no other names)?

-25-

a. echo ?[MmEe]? b. echo *(M,m,E,e)* c. echo *[me]* d. echo *[Mm][Ee]* e. echo *[MmEe]*

178. 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 -n 4 | head -n 1 b. 96 96 c. 98 a. 02 d. 04 04 e. 96

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

echo wc >wc ; wc wc >wc ; cat wc a. 0 0 0 wc b. 1 1 3 wc c. 1 1 2 wc d. no output e. wc

180. 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 directory **dir** now contains only a file named **old**
- b. there is a second copy of the file named **new** in the file named **old**
- c. the command fails because the path ../me/old does not exist
- d. the parent directory of dir now has a file named old in it
- e. the command fails because the path ./dir/../new does not exist
- 181. If file a contains 20 lines, and file b contains 30 lines, then how many lines are in file **out** after this command line:

cat a b >c ; head c >c ; sort a b c >out b. 0 c. 30 d. 50 a. 100 e. 60

182. If my current directory is /lib, which of these pathnames is equivalent to the file name /lib/foo?

a. ./foo b. ../foo c. ../lib/foo/. e. ./lib/foo d. /foo

183. 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** is still empty
- b. the directory **mt** now contains a file named **foo**
- c. the command fails because **mt/bar** is not a directory
- d. the directory **bar** now contains a file named **foo**
- e. the directory mt now contains a file named bar

184. If pig is a sub-directory that contains only the file dog, what happens after this command: mv pig/dog pig/././cat

- a. there is a second copy of the file dog in the file named cat
- b. the command fails because the name cat does not exist
- c. the directory pig now contains only a file named cat
- d. the directory **pig** is now empty
- e. the command fails because the name pig/././cat does not exist

185. Which command line displays only the non-hidden names in the current directory that contain the letter **a** (and no other names)?

a echo *a* h. echo a* c. echo ?a? d. echo [a] e. echo *a

186. 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 b | sort a

a. **3** followed by **2** b. 2 followed by 3 c. 2 d. 3 e. 5

187. In an empty directory, what is the output on your screen after this command line: touch a : ls >wc -l

a. 2 b. 3 c. 1 d. no output e. 0

- 188. What does *quoting* mean on a shell command line?
 - a. setting the PS1 variable to be your shell prompt
 - b. using more than one pathname argument to a command, e.g. rm a b c
 - c. turning off the special meaning of shell meta-characters
 - d. typing a "control" character using the [CTRL] key
 - e. using a leading tilde ("~") on a pathname to mean your HOME directory

189. 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* e. 1

b. none c. 3 d. 4 a. 2

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

echo hi >hi ; head hi >hi ; wc hi b. 0 0 0 hi a. 1 1 2 hi c. 2 2 4 hi d. 1 1 3 hi e. no output

191. 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

a. 30 b. 20 d. 50 c. 80 e. 0

192. 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. 21 *b.* 50 c. 20 *d*. 0 e. 30

193. Which command li	-	ties available for compiling programs? b. locate compile	200.	. Hov	•		re in file o		ter this com	mand line:			
c. grep compil		d. apropos compile		a.			. 3		c. 2	d. :	İ	e.	4
e. man compile		a. apropos comprie	201										
194. In an empty director		his command line:	201.	. In a			ry, now n 3 2 1		ords are in f >out	ne out ar	ter this cor	nmano	a line:
touch a b	c; mvabc			a.	5	b.	. 0		c. 3	d.	1	e.	6
a. the files a and k	are appended to the fil	e c	202.	If I	am in my	НОМ	E directo	ry nam	ed /home/	ian and	nt is an ei	npty s	sub-
	nd c are moved to the cu								mand line:			1 ,	
	nd c are moved to the di				touch	/i	.an/cat	; cr	./mt/.	./cat .,	/mt//d	got	
		is not a directory		a.	the comn	nand fa	ils becaus	se the p	ath ./mt/	/cat d	oes not exi	ist	
e. the files a and b	are moved into the dire	ectory c		b.	the direct	ory mt	now has	a file n	amed dog	in it			
		ar contain all of the content of f1			the direct								
followed by all of t	he content of £2 ?								ned to dog				
a. echo f1 f2		b. cat f1 f2 >bar		e.	the direct	ory mt	is still er	mpty					
c. mv f1 f2 >1		d. wc f1 f2 >bar	203.	Wh	ich comn	nand li	ne does n	ot show	any lines f	rom inside	the file ba	ıt?	
e. cp f1 f2 >1	oar			a.	sort b	at		b. 1e	ss bat		c. tai:	L ba	t
		is the one-digit line number of the line in		d.	ls bat			e. he	ad bat				
the file (1 through 9), what is the output on your screen of this command: sort foo foo tail -n 5 head -n 1		204.	204. What is the output on your screen after this command line: echo hi >ls; cat ls > wc										
a. 7	c. 1 1 c. 5	5 d. 9 e. 1		a.			,		output		c. hi		
197. Which command b	elow is the best way to	find a line containing a question mark		d.	1 1 :	2			1 3				
(?) in the file /et	c/passwd?		205. How many lines are in the file out after this command line:										
<pre>a. search '?'</pre>	/etc/passwd	b. grep './?' /etc/passwd	_00.	110					>>x ; c				
c. grep '?' /e		d. find '?' /etc/passwd		a.			. 0		c. 3	d. (e.	1
$\it e$. grep /etc/ $\it p$	passwd '?'		206.			directo	rv. how n		guments are	nassed to	the cat . c	omma	and in this
	ectory that contains only	y the file dog , what happens after this	200.	con	nmand lir	ne: to	uch a1	. a2 a	ac ba .a	; cat	a*		
		dog in the file named cat		a.			. 4		c. none	d. 2		e.	
b. the command fa	ils because the name p:	ig/././cat does not exist	207.	207. If my current directory is /home , which of these pathnames is equivalen pathname /home/a/b/c ?								/alent	to the
	g now contains only a				/a/b		'c		ı/b/c 'a/b/c		c/1	nome,	/b/c
e. the command fa	ails because the name ca	at does not exist	208						line in an e	mntri dina	town and	h	
199. If I am in my HOME directory named /home/myhome and sub is an empty sub-			200.	a.		output (or uns cor	IIIIIaiiu	illie ili ali e	mpty unec	tory. ec.	.10 ^	
	rue after this command l												
		il/myhome/cat											
	b now contains only a				no output		e from ac	aho cas	ing * does	not evict			
		/myhome/cat does not exist		и. е.		nessagi	. 110111 60	say	ing " does	not exist			
	d copy of the file fil ir			٠.	•								
		b//fil does not exist											
<i>e</i> . the directory s ı	b/ now has a file na	imed cat in it											

-27-

209.	If I am in directory /hom	e/me an	nd mt	is	an en	npty sub-	directory	, what is true
	after this command line:	touch	foo	;	mv	./mt/.	./foo	/me/bar

-29-

- a. there is a second copy of the file **foo** in the file named **bar**
- b. the command fails because the path ./mt/../foo does not exist
- c. the command fails because the path ../me/bar 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
- 210. 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 | cat | tail -n 4 | head -n 1 a. 7 b. 8 c. 9 d. 6 e. 5

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

a. ^C

h. ^**D**

c. ^R

e. ^U

e. 1

212. Give the minimum number of directories in this pathname: /a/b/c/d

a. 5

b. 4

c. 3

d. 2

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

a. ^D

b. ^c

c. ^U

d. ^R

e. ^E

214. 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 | tail -n 4 | head -n 1 b. no output

a. 6 d. 8

e. 4

c. 1

215. 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 a. 8 *b*. 0 c. 3 d. 5 e. 16

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

a. find | wc

h. wc *

c. ls | wc

d. wc "SPWD"

e. wc .

217. 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 ../etc/passwd ./me/foo

c. cp ../home/me/../etc/passwd ./me/./foo

d. cp ./me/../etc/passwd ../home/me/foo

e. cp ../../etc/passwd /me/foo

218. 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. 7 *b*. 5 c. 12 d. 24 e. 0

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

a. ../etc/passwd/.

b. /passwd

c. ../passwd

d. passwd

e. ./etc/passwd

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

date >f : ls f >>f : cat f f >out

a. 6

b. 4

c. 1

d. 2

e. 0

221. Which Unix command line deletes a directory and everything inside it?

a. deltree -all dir

b. rm -all dir

c. rmdir -all dir

d. rmdir -r dir

e. rm -r dir

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

a. hi

b. no output

c. hi >foo >bar

d. hi >foo

e. cat: foo: No such file or directory

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

a. 4

b. 0

c. 3

d. 2

e. 1

224. 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. 3

d. 0 e. 1

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

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

b. no output

c. *

d. dog

e. ls: *: No such file or directory

226. What command displays the sizes of files in the current directory?

a. ls -p

b. ps -1

c. ps -s

d. ls -1

e. cat -s

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

b. cat foo >foo

a. ls foo >fooc. sort foo >foo

d. grep 'foo' foo >foo

e. tail foo >foo

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

echo bat >pig ; echo one | tail pig

a. one b. bat

c. an error message d. one followed by bat

e. bat followed by one

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

a. Jes (Yes - Esperanto)
b. Sim (Yes c. Taip (Yes - Lithuanian)
d. Igen (Yes - Lithuanian)

e. Tak (Yes - Polish)

b. Sim (Yes - Portuguese)d. Igen (Yes - Hungarian)

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