



## Review Test Submission: Midterm Exam

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Course	ITMO-456-02.16F: Intro Open Source OS
Test	Midterm Exam
Started	10/19/16 6:09 PM
Submitted	10/20/16 7:08 PM LATE
Due Date	10/20/16 5:00 PM
Status	Needs Grading
Attempt Score	84 out of 100 points
Time Elapsed	24 hours, 58 minutes
Results Displayed	Submitted Answers, Correct Answers

### Question 1

0 out of 2 points

What was created to define a standard directory structure and common file locations for Linux?


Selected Answer:  d. Root Directory


Correct Answer:  c. Filesystem Hierarchy Standard


### Question 2


0 out of 2 points

Which two partitions are the minimum required to install Linux?

Selected Answers:  a. /

 b. /boot

Correct Answers:  a. /


 c. swap

### Question 3

2 out of 2 points

A user typed in the command `pwd` and saw the following output: `/home/jim/sales/pending`. How could that user navigate to the `/home/jim` directory?


Selected Answer:  c. `cd ../../`


Correct Answer:  c. `cd ../../`

**Question 4**

0 out of 2 points

Which command can you use during a system rescue to switch from the root of the liveOS to the root of the Linux system installed on the hard disk?


Selected Answer:  rescue


Correct Answer:  chroot

**Question 5**

2 out of 2 points

The command **chmod 317 file1** would produce which of the following lines in the **ls -l** command?

Selected Answer:  --wx--xrw 1 user1 root 0 Apr 29 15:40 file1

Correct Answer:  --wx--xrw 1 user1 root 0 Apr 29 15:40 file1

**Question 6**

0 out of 2 points

The man command is a good way to learn more about a Linux utility.


Selected Answer:  False


Correct Answer:  True

**Question 7**

2 out of 2 points

Which of the following represents stdout?


Selected Answer:  1


Correct Answer:  1

**Question 8**

2 out of 2 points

What RAID level provides disk striping with parity and allows for one disk to fail?





Selected Answer:  d. RAID 5

Correct Answer:  d. RAID 5

**Question 9**

2 out of 2 points


The current value for the HOME variable is displayed by which of the following commands? (Choose all that apply)


Correct Answers:  echo ~  
 echo \$HOME  
 echo ~  
 echo \$HOME

**Question 10**

2 out of 2 points

When applied to a directory, the SGID special permission \_\_\_\_\_.


Selected Answer:  causes all new files created in the directory to have the same group membership as the directory, and not the entity that created them


Correct Answer:  causes all new files created in the directory to have the same group membership as the directory, and not the entity that created them

**Question 11**

2 out of 2 points

Which command is used to display the amount of free space that exists on a filesystem?

Selected Answer:  df

Correct Answer:  df

**Question 12**

0 out of 2 points

Hard links need not reside on the same filesystem as the target, whereas symbolic links need to reside on the same filesystem.


Selected Answer:  True


Correct Answer:  False

**Question 13**

2 out of 2 points

Before a user-defined variable can be used by processes that run in subshells, that variable must be:


Selected Answer:  exported


Correct Answer:  exported

**Question 14**

2 out of 2 points

In Linux, a(n) \_\_\_\_\_ is used to accept input from the user and pass the input to the kernel for processing.


Selected Answer:  shell


Correct Answer:  shell

### Question 15

0 out of 2 points

What wildcard would you use to show memo file 1 through 20 (assume only 20 memo files exist)?

Selected Answer:  d. memo[20]

Correct Answer:  c. memo\*

### Question 16

2 out of 2 points

To what license does Linux adhere?


Selected Answer:  c. GNU General Public License


Correct Answer:  c. GNU General Public License

### Question 17

2 out of 2 points

If enough unique letters of a directory name have been typed, what key can be pressed to activate the BASH shell's completion feature?

Selected Answer:  b. Tab

Correct Answer:  b. Tab

### Question 18

2 out of 2 points

A user mounts a device to a mount point directory and realizes afterward that there are files previously found within the mount point directory that are needed. What should this user do?

Selected Answer:  Unmount the filesystem

Correct Answer:  Unmount the filesystem

### Question 19

2 out of 2 points

You are limited to using one pipe | metacharacter on the command line to pipe information from one command to another command.


Selected Answer:  False


Correct Answer:  False

**Question 20**

2 out of 2 points

The **ls** \_\_\_\_ option can be used to provide a long listing for each file in a certain directory


Selected Answer:  -l


Correct Answer:  -l

**Question 21**

2 out of 2 points

You can redirect stdin using which of the following shell metacharacters?


Selected Answer:  <


Correct Answer:  <

**Question 22**

2 out of 2 points

What symbol can you use to run a command in the background?


Selected Answer:  &


Correct Answer:  &

**Question 23**

2 out of 2 points

From the BASH shell, the root user is indicated by the following prompt

Selected Answer:  #

Correct Answer:  #

**Question 24**

2 out of 2 points

What are the three standard Linux permissions?


Selected Answer:  execute, read, write


Correct Answer:  execute, read, write

**Question 25**

2 out of 2 points

Which command can be used to see processes running in the background?

Selected Answer:  jobs

Correct Answer:  jobs

**Question 26**

2 out of 2 points

The concept of \_\_\_\_\_ enables software developers to read the source code of other people's software, modify that source code to make the program better, and redistribute that source code to other developers who might improve it further.


Selected Answer:  Open Source Software


Correct Answer:  Open Source Software

**Question 27**

2 out of 2 points

Devices that transfer data in a character-by-character fashion are referred to as \_\_\_\_\_ devices.


Selected Answer:  character


Correct Answer:  character

**Question 28**

2 out of 2 points

When using the chmod command, the mode rwx can be represented by the number \_\_\_\_\_.

Selected Answer:  7

Correct Answer:  7

**Question 29**

2 out of 2 points

What file in the /proc directory contains information about a computer's CPU?

Selected Answer:  c. /proc/cpuinfo

Correct Answer:  c. /proc/cpuinfo

**Question 30**

2 out of 2 points

If you do not know the type, major, or minor number of a device, you can use the \_\_\_\_\_ program to re-create the device based on the common name.


Selected Answer:  /dev/MAKEDEV


Correct Answer:  /dev/MAKEDEV

**Question 31**

2 out of 2 points

Which chmod setting would you implement to allow the user to read and write, the group to read and execute, and others read access.


Selected Answer:  chmod 654


Correct Answer:  chmod 654

**Question 32**

2 out of 2 points

What does >> accomplish when entered on the command line after a command?


Selected Answer:  d. It appends stdout to a file

Correct Answer:  d. It appends stdout to a file

**Question 33**

2 out of 2 points

Which construct can be used in a shell script to read Standard Input and place it in a variable?


Selected Answer:  read


Correct Answer:  read

**Question 34**

2 out of 2 points

The environment variables that are set by default and their current values can be viewed with what command?


Selected Answer:  b. set

Correct Answer:  b. set

**Question 35**

2 out of 2 points

Linux commands entered via the command line are not case sensitive.

Selected Answer:  False

Correct Answer:  False

**Question 36**

0 out of 2 points

The \_\_\_\_ command should display the last 20 lines of a text file named file.txt.

Selected Answer:  head -20 file.txt

Correct Answer:  tail -20 file.txt

### Question 37

2 out of 2 points

Which of the following will display the message welcome home if the **cd /home/user1** command is successfully executed?


Selected Answer:  cd /home/user1 && echo "welcome home"


Correct Answer:  cd /home/user1 && echo "welcome home"

### Question 38

2 out of 2 points

Which Linux command gets you out of your current shell?

Selected Answer:  exit

Correct Answer:  exit

### Question 39

2 out of 2 points

When you change the data in a file that is hard-linked to three others,  
\_\_\_\_\_.

Selected 

Answer: The data in the file you modified as well as the data in all hard-linked files are modified, because they share the same data and all have the same inode and file size.


Correct 

Answer: The data in the file you modified as well as the data in all hard-linked files are modified, because they share the same data and all have the same inode and file size.

### Question 40

2 out of 2 points

The rmdir command automatically removes a directory and all of its subdirectories and files.


Selected Answer:  False


Correct Answer:  False

### Question 41

0 out of 2 points

Which of the following shows partition 2 on the third SATA hard disk?

Selected Answer:  /dev/sdb2


Correct Answer:  /dev/sdc2




**Question 42**

2 out of 2 points

Which of the following statements regarding LVM structure is correct?


Selected Answer:  VGs are comprised of one or more PVs.


Correct Answer:  VGs are comprised of one or more PVs.

**Question 43**

2 out of 2 points

What is the default shell in Fedora Linux called?


Selected Answer:  BASH


Correct Answer:  BASH

**Question 44**

2 out of 2 points

Which command do you use to rename files and directories?


Selected Answer:  mv


Correct Answer:  mv

**Question 45**

2 out of 2 points

The core component of the Linux operating system is the kernel.


Selected Answer:  True


Correct Answer:  True

**Question 46**

2 out of 2 points

How can you redirect stderr to /dev/null?

Selected Answer:  2>/dev/null

Correct Answer:  2>/dev/null

**Question 47**

2 out of 2 points

Who formed the Free Software Foundation to promote open development?

Selected Answer:  b. Richard Stallman


Correct Answer:  b. Richard Stallman

**Question 48**

2 out of 2 points

Which of the following are absolute paths?

 b. /meetings/week34/

 e. /cars/make/model

Correct Answers:  b. /meetings/week34/

 e. /cars/make/model

**Question 49**

2 out of 2 points

In what mode does the vi editor open by default?


Selected Answer:  d. command mode


Correct Answer:  d. command mode

**Question 50**

2 out of 2 points

Which of the following is the default filesystem used in Fedora 24?

Selected Answer:  ext4

Correct Answer:  ext4

Thursday, October 20, 2016 7:08:34 PM CDT

← OK