

General Computing 101: Spring 2012 Midterm  
Teacher: Rhema Linder (rhemalinder@gmail.com)

Please take this test in one sitting without notes or external help.

Student's name: \_\_\_\_\_

Date taken: \_\_\_\_\_

Unless the question states otherwise, circle your answers.

**1. Draw a high level diagram of how a computer works:**  
(5 points)

**2. A byte contains exactly \_\_\_\_\_ bits.**  
(3 points)

1                                  6                                  8                                  100

**3. Linux, Windows 7, and Mac OS X Lion are examples of:**  
(3 points)

Operating Systems      Applications                  Browsers

**4. Internet Explorer, Firefox, and Google Chrome are examples of:**  
(3 points)

Browsers                          Smartphones                  Operating Systems

**5. Circle largest denomination of memory from this list:**  
(3 points)

Petabyte                          Megabyte                          Gigabyte                          Kilobyte

**6. Please mark either synchronous or asynchronous for the following communication types:**

*(5 points)*

<b>Communication Type</b>	<b>Synchronous</b>	<b>Asynchronous</b>
A game of chess.	<input type="checkbox"/>	<input type="checkbox"/>
Email	<input type="checkbox"/>	<input type="checkbox"/>
A face to face conversation.	<input type="checkbox"/>	<input type="checkbox"/>
Skype or Facetime	<input type="checkbox"/>	<input type="checkbox"/>
Facebook chat	<input type="checkbox"/>	<input type="checkbox"/>

**7. Email is a Secure Form of Communication**

*(3 points)*

True False

**8. Draw arrows to match the email field with its description.**

*(5 points)*

To	The main person an email is sent to.
From	Additional email(s) addresses that only the sender can see.
Cc	Shows the sender's email.
Bcc	Most of the content of the email.
Subject	Additional email(s) that everyone who gets an email can see.
Body	A short one line description of the email.

**9. 192.168.1.1, 22.33.44.67, and 33.55.66.77 are examples of:**

(3 points)

Domain names

IP Addresses

Geographical Locations

**10. All computers connected to the internet communicate through:**

(3 points)

Message passing

Telephone

A series of tubes

Torrent

**11. Blogs can be about:**

(3 points)

Politics

Personal Diaries

Mustaches

All of These

**12. Which of the following is most likely to contain inaccurate information on a page?**

(3 points)

A blog written by an individual.

Wikipedia.org

A newspaper website

Your facebook feed.

**13. Which of the following is most likely to contain information about people you know personally?**

(3 points)

A blog written by an individual.

Wikipedia.org

A newspaper website

Your facebook feed.

**14. Which of the following is most likely to contain factual information about current events?**

(3 points)

A blog written by an individual.

Wikipedia.org

A newspaper website

Your facebook feed.

**15. Which of the following has the most authors?**

(3 points)

A blog written by an

Wikipedia.org

A newspaper

Your facebook

individual.

website

feed.

**16. In a spreadsheet, rows are:**

(3 points)

Horizontal

Vertical

In a cell

In a circle

**17. In a spreadsheet, columns are:**

(3 points)

Horizontal

Vertical

In a cell

In a circle

**18. To add a formula to a cell in spreadsheet, you start value with a the \_\_\_\_ symbol:**

(3 points)

()

-

+

=

**19. Search engines like Google index *all of the content* on the internet:**

(3 points)

True

False

**20. Adding words like "and", "or", and "the" to a search query will give you better results:**

(3 points)

True

False

**21. Google employees go through each website by hand to place them in the correct categories.**

(3 points)

True

False

**22. After you enter a search query, Google only uses the words that you type to decide which websites to show you.**

(3 points)

True

False

**23. When you are writing a paper that you turn in for a project, you don't have to cite something you read as long as you don't cut and paste it into your paper.**

(3 points)

True

False

**24. You always have to cite websites that you read, even if you don't use ideas from them.**

(3 points)

True

False

**25. The "golden rule" of avoiding plagiarism says:**

(3 points)

Never cite Wikipedia articles.

Always cite everything that you read in preparation for writing.

Only cite copyrighted work.

Cites sources if you aren't sure if you need to.

**26. All of the following are ways to improve the design of a spreadsheet except:**

(3 points)

Use a little color to provide contrast and layer information.

Use a different font for labels than data.

Use zebra striping.

Left align all numbers.

**27. You should always use color for all of the background of every spreadsheet you make.**

(3 points)

True

False

**28. A slideshow presentation (such as PowerPoint) should contain all of the information that you will be talking about.**

(3 points)

True

False

**29. You should make presentations as complex as possible because it will impress your audience.**

(3 points)

True

False

**Extra Credit (up to 10 points):**

Describe how the internet works:

**Check each box for which you have read the article:**

- How Internet Search Engines Work - How Stuff Works
- How to Avoid Plagiarism in the Research Process - Steven D. Krause
- How to Make Your Spreadsheets Less Lame - Joshua Johnson
- The Promise and Pitfalls of Powerpoint - Michael W. Flamm