

## Exploring CS Mid-Term Review Jeopardy Questions & Answers:

### Computer Components

the **Power Supply** provides electricity to the components

the **Motherboard** is the foundation of a computer, which connects to all other components

the **Hard Drive** stores files and programs for long term

the **CPU** executes programs and processes data

the **RAM** can be increased so more programs can be ran at the same time

### Represented by

**the Power (switches) on or off in RAM or the CPU**

Magnetic positions North or South *in a Hard Drive*

**Reflections off of Bumps or Pits are in a CD, CD ROM or DVD**

*Text Characters* are represented by ASCII

**Images or Pictures** are represented by a collection of Pixels

### Online Security

the length of a good Password *is at least 8 characters*

Additional ways to make your Password Secure include *not writing it down, adding symbols, capitals & numbers, or adding more complex phrases*

**Phishing** is *when an email misrepresents a bank trying to get your account*

a **Virus** is *a program that invades your computer to break it or gather your information*

Ways to avoid Phishing are *not using links in emails or strange pop ups*

Ways to continue to prevent Viruses are *making frequent updates of your Anti-Virus software*

### Internet & Search

**Servers** are computers connected to the Internet that store the web pages and databases of websites

an **IP Address** is a series of numbers that maps to the location of a website

**Packets** are smaller pieces of a larger file used to pass information on the Internet

a **Web Crawler or Spider** is a program that tries to find all the pages of the world wide web

an **Index** is an assembled list that catalogs information, like all the keywords of web pages for Search Engines

### Binary & More

Binary for the decimal 2 is **10**

Binary for the decimal 10 is **1010**

There are **8 Binary Bits in a Byte**

**Data Compression** makes the same Image be different Sizes

Other information in a Word Document besides the text Characters is *formatting, headers, links or images*

## Final Jeopardy

If you think that your online information or your computer has been accessed or invaded by malware, what can you do to minimize the damage?

- Run an Anti-Virus software to remove the malware?
- Change your password to accounts that may have been captured?
- Notify your Bank and Credit Card Companies if that information has been accessed?
- Go to the Federal Trade Commission ID Theft website (<http://ftc.gov/idtheft>) for more instructions?

## Scoring

Computer Components	Data Represented by	Online Security	Internet & Search	Binary & More
\$100	\$100	\$100	\$100	\$100
\$200	\$200	\$200	\$200	\$200
\$300	\$300	\$300	\$300	\$300
\$400	\$400	\$400	\$400	\$400
\$500	\$500	\$500	\$500	\$500