**Internet Fundamentals and Background Lecture Notes - KEY**

* Describe how the cold war is directly related to the development of the Internet.

**The US Military needed a reliable method of communications should nuclear war between the USA and Soviet Union break out.**

* Who did the US Department of Defense partner with in order to develop this new method of communication?

**The RAND Corporation**

* What were the four universities involved in the development of the Internet?
  1. **Stanford Research Institute**
  2. **UCLA**
  3. **University of California at Santa Barbara**
  4. **University of Utah**
* What was the first prototype of the Internet called?

**ARPANET**

* Why would traditional networks not work for the new design of the Internet?

**Traditional networks used a centralized hub system that would cause the entire network to go down should it go out.**

* What is TCP?

**Transfer Control Protocol – Specifies that information should be broken down into data packets of 1500 and addressed with the IP address of the sending and receiving computers.**

* What is IP?

**Internet Protocol – Specifies that each computer on the Internet should be assigned a unique address.**

* Briefly describe how information is sent across the Internet.

**Information is broken down into data packets and addressed with the sending and receiving computers IP address. Each data packet is sent out along different paths to its destination.**

* What type of data uses the http port?

**Web Pages**

* What type of data uses POP protocol?

**Email**

* What type of data uses FTP protocol?

**File Transfer**

* How was the Internet first used when it originally came out?

**Primarily by government and the scientific community**

* What contribution did Tim Burners-Lee make to the world?

**He invented HTML and the World Wide Web**

* What book inspired Tim?

**“Enquire Within Upon Everything”**

* What was the first browser available to the general public?

**Accept correct answer.**

* Which operating system included an integrated browser that led to a government attempt to break up another one?

**Accept correct answer.**

* Name two ways how the Internet has been integrated into our everyday life?
  1. **Social Networking**
  2. **Auction Sites**
  3. **Travel Sites**
  4. **Location Based applications**