Tufts University Department of Computer Science COMP 116: Introduction to Computer Security Fall 2016 **Practice Quiz 1. Closed Book.**

Quiz 1 will cover the following topics:

- Basic "thinking like an attacker" / social engineering
- Networking
- Packet analysis
- Network scanningNetwork sniffing

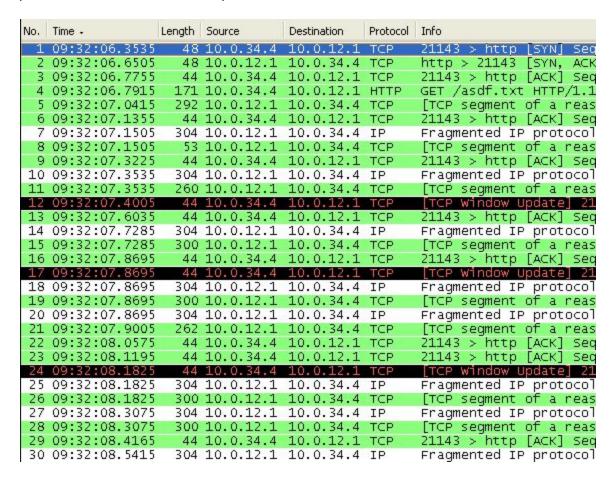
Types of questions on the quiz will include:

- Multiple choice
- Fill-in-the-blank
- True or false
- Really short answer

Sample Questions:

1 (2 points) relies on IP but does not guarantee delivery or use handshaking
2 (5 points). We discussed various methods of scanning a network. Detail three ways to scan a network for open ports.
3 (3 points). In order to sniff a network, the user need to be
4 (2 points). How can you defend your system against scanners?

5 (5 points). Consider the following illustration. Identify what is happening and how can you conduct the similar activity.



Answers to Sample Questions:

- 1. UDP
- 2. Ping sweep, Nmap SYN scan, Nmap Xmas scan
- 3. root / superuser
- 4. Close unnecessary services
- 5. Packet fragmentation. You can use nmap, fragroute, or hping to perform this.