Module 3 Review

1. What is an IP address?
    a. What is the purpose?
    b. What is the structure?
    c. What is the difference between IPv4 and IPv6?
    d. What is the highest number used in IPv4?
    e. What are the classes of IP addresses? A, B, C, D?
2. What is a MAC address?
    a. How is it assigned?
    b. What is the length?
    c. Can it be changed?
    d. What is the purpose?
3. Difference between TCP and UDP.
    a. How are TCP connections established?
    b. What are common types of TCP connections?
    c. What are common types of UDP connections?
4. What are the differences between these network devices.
    a. Gateway
    b. Bridge
    c. Router
    d. Switch
    e. Repeater
    f. Hub
    g. VPN
    h. Firewall
    i. DMZ
    j. SSL
    k. TLS
5. What is a wireless network?
    a. Advantages
    b. Disadvantages
6. Define and describe the following.
    a. Phishing
    b. Pharming
    c. Whaling
    d. Wardriving
    e. Spoofing
    f. Virus
    g. Worm
    h. Trojan
    i. R.A.T.
7. Principles of Authentication
8. Principles of Password security
9. Incident response evidence collection

10. What is Personally Identifiable Information?
    a. Risks
    b. Types
    c. Examples
11. What is TCP/IP
    a. What does it do?
    b. When was it invented?
    c. Who invented it?
    d. What are the layers?
    e. What protocols are associated with each layer?

Protocols – what are they and what is the standard port:

HTTP

HTTPS

HTMP

URL

FTP

SMTP

DHCP

P2P

VLAN

SSH

RDP

1053

7850

161

Commands:
ipconfig

Nslookup

Ping

Hostname

tracert