**Homework #10**

**Chapter 6: Understanding Internet Technologies and Security**

**(P322)**

**True or False**

**Mark T for True and F for False. (Answers are found on page numbers in parentheses.)**

\_\_\_\_ 1. Pairing is the process of connecting two Bluetooth devices. (283)

\_\_\_\_ 2. A peer-to-peer LAN is an appropriate networking choice for a medium-sized organization with 45 users. (276)

\_\_\_\_ 3. A proxy server sits between a user and the Internet and forwards HTTP requests using its own IP address rather than the user’s IP address. (316)

\_\_\_\_ 4. War driving is the act of driving around with a laptop, antenna, and wireless card, looking for unsecured wireless networks to access. (308)

\_\_\_\_ 5. A virtual private network is another name for a Wi-Fi network. (319)

\_\_\_\_ 6. VoIP uses circuit switching to send voice over an IP network. (303)

\_\_\_\_ 7. Geosocial networking uses LBSs and tools such as Facebook to connect users. (302)

\_\_\_\_ 8. An IXP is used by ISPs, but is expensive and has a negative impact on a network’s bandwidth. (290)

\_\_\_\_ 9. A DNS root name server publishes a directory of the next level of DNS servers. (294)

\_\_\_\_ 10. A backdoor in software or an app enables hackers to infiltrate a computer or device. (319)

**(P322 – 324)**

**Multiple Choice**

**Select the best answer. (Answers are found on page numbers in parentheses.)**

1. While \_\_\_\_ cable is too expensive to be used as a transmission medium for a small LAN, it is the transmission medium of choice for MANs and WANs. (285)

a. coaxial cable

b. infrared (IR)

c. fiber-opticcable

d. radio frequency (RF)

2. The Shared Registration System of domain name registrars is overseen by \_\_\_\_. (294)

a. ISPs

b. accredited registrars

c. NSPs

d. ICANN

3. \_\_\_\_ transmissions use radio to connect devices that are touching or nearby (generally within 10 centimeters). (282)

a. Radio frequency (RF)

b. NFC

c. Infrared(IR)

d. None of the above

4. The process of translating readable data into unreadable data to prevent unauthorized access or use is called \_\_\_\_. (317)

a. decryption

b. encryption

c. tunneling

d. private key

5. A \_\_\_\_ is an intelligent connectivity device with one input port and one output port that connects two network segments or two LANs. (286)

a. bridge

b. data switch

c. router

d. gateway

6. A(n) \_\_\_\_ is a small packet that moves clockwise in a circle from node to node on a network. (281)

a. subnode

b. octet

c. router

d. token

7. \_\_\_\_ is when a hacker accesses a network to set up a fake website or send mail that looks like it is coming from an internal server. (308)

a. War driving

b. LAN jacking

c. Spoofing

d. Cracking

8. Large modern networks often are broken up into \_\_\_\_, or multiple groups of computers and devices that share a common function. (285)

a. LANs

b. segments

c. VPNs

d. servers

9. An IPv6 address includes \_\_\_\_ 8-bit numbers. (292)

a. 8

b. 32

c. 1,000,000

d. 128

10. A \_\_\_\_ is a kind of virus that spreads across a network, such as the Internet, by replicating itself. (311)

a. Trojan horse

b. worm

c. backdoor

d. DDoS