**CHAPTER 17 – Networking Part I**

1. What are the different elements of a network?
2. What are the three (useful) classes of IP Addresses?
3. What is the difference between LAN, MAN and WAN?
4. What is a network topology?
5. What are the different kinds of network topology?
6. Describe a bus topology?
7. What is advantage of star topology over bus topology?
8. What is the weakness of star topology?
9. What is the difference between ADSL and SDSL?
10. What is latency?
11. What are the two types of medium in networking?
12. For cabled or wired media which is the most popular one?
13. What medium uses light to transmit data and has longer reach?
14. What is the color code for IEEE 568-A?
15. What is the difference between a hub and switch?
16. How about between a switch and a router?
17. What is a port number in networking?
18. Could you tell me the port number for FTP and SMTP respectively?
19. What is the default subnet mask for Class A, B & C IP Addresses?
20. What are the two portions of an IP Address?
21. What is the difference between public and private IP address?
22. What are the range of IP address recommended by IEEE for class A, B and C?
23. What is subnetting?
24. What is supernetting?
25. If I have an IP address 192.168.3.0/22, what would be my subnet mask?