**Homework Chapter 8**

Review Questions:

1. A, B, D
2. C
3. A
4. B, C, D
5. FILE INDEXING SYSTEM
6. A
7. TRUE
8. B
9. FALSE
10. D
11. B
12. A
13. C
14. D
15. B
16. A
17. D
18. B
19. C
20. A
21. A, B
22. B
23. B
24. FALSE
25. A

Case Projects

8-1

FAT16:

OS: DOS, all ver of windows

File attributes: Standard set attributes, no encryption, no compression

No built-in security

Max size 2GB

FAT32:

OS: DOS v7, windows 98 and up

File attributes: Standard set attributes, no encryption, no compression

Max size 32GB

No built-in security

NTFS:

OS: Windows NT and up

File attributes: Standard set attributes and custom, allows encryption and compression

Has Built-in security

EXT2:

OS: Linux and Mac

File attributes: Superblock, inodes, Data block, allows permission, directory structure,etc

Has built-in security

8-2

The networks needs

DHCP server for IP address configuration

DNS server for Name resolution

OS server for centralized account management

Active directory for the ability to store files in centralized location easily

8-3

I will install a virtualization software like VMware in a computer and create a virtual machine for each OS, that way i can verify compatibility with just one single computer and without disrupting users.