- If you have a machine that do 2^20 operation per second, and you are using a 40 bit key, how long will it take to break the key by brute force? Repeat for a 80 bit key? When each key is better to use?

- Worm and Virus lifecycle. Worm propagation lifecycle.

- IPSec services

- Message Authintication techiniques

- SET diagram and scenario steps

- How to insure security and authintication using private and public key

- Tunnel Mode and Transport Mode functionality- ---> Table p.493

- What is SALT?

- Message authintication attacks

- Diffie Hellman steps. (also a problem on it)

- State Block Cipher modes of operation. Choose one and discuss it.

- Difference between Session and Connection.

- Problem on playfair

- Firewall configuration problem (given some IPs with description, which ones to allow or deny for some services?)