

Importance

Topics as per Priority

- DES (Theory) (MUST DO)
- RSA (MUST DO)
- IPSEC (Protocol, application, Adv. & Dis, Security achieved In transport tunnel)
- Ciphers (Playfair & hill cipher) –Practice is necessary (MUST DO & EASY)
- Diffie Hellman
- Email Security (PGP & SMIME) (MUST DO)

Theory

- Firewall (firewall & IDS - difference)
- IDS (Signature based & anomaly based) (MUST DO)
- Memory and address protection in os security (MUST DO)
- SSL & hand shake protocol

Extra

- Virus and worms
- Kerberos (MUST DO)
- Digital certificate + X.509 + Digital Signature
- SHA-1
- Attacks

Difference between

- MD 5 & SHA-1 (MUST DO)
- Stream & Block Cipher
- Firewall & IDS (MUST DO)
- Signature & anomaly IDS

Do share with your friends and help them :)