COMP9332 Network Routing and Switching
Self-assessed Tutorial for Virtual Private Network

Q1. List the steps involved in a minimum IKE communication that uses XAUTH on a client to VPN gateway connection. For each step specify the activities that take place between an initiator and a responder.

Q2. Describe the relationship between IKE and ESP.

Q3. Using a table compare the differences and similarities that exist between L2TP /IPsec and IKE/IPsec. Compare such items as port number, mode, authentication methods, packet structure, NAT compatibility, phases, protocol layers etc.

Q4. Describe the mechanism employed by the sliding window to defeat replay attacks.

Q5. Does tunnel mode cause any problems with NAT?