Unit IV: Security Requirements

S. N.	Questions
1.	Describe IPSec Protocol with its components and Security Services.
2.	What is S/MIME? State Operations of S/MIME in details.
3.	What is the role of OAKLEY Protocol in communication?
4.	Explain the operations of Secure Electronic Transaction Protocol.
5.	State Security measures applied by VPN for security.
6.	Discuss the transport mode and tunnel mode of IP sec in detail
7.	Explain secure socket layer handshake Protocol in detail.
8.	What is VPN? Explain types of VPN
9.	Explain ISAKMP protocol of IPSec
10.	Explain working of PGP in detail
11.	Explain various participants required in secure electronic transaction
12.	Explain ESP protocol Header of IPsec with Diagram?
13.	What is Backdoors and Key Escrow in PGP?
14.	Explain OAKLEY key determination protocol
15.	What is secure Electronic Transaction?
16.	Explain Secure Socket Layer handshake protocol in brief.
17.	State Security measure applied by VPN for security.
18.	What are the benefits of IPSec?
19.	Explain following protocols and their operations:1) IPv6, 2) IPv4,3)
20.	What is web security? Explain in detail.
21.	Enlist and explain protocols used in web security.
22.	Distinguish between MIME and S/MIME
23.	Write a short note on- 1. AH protocol, 2.ESP protocol, 3.ISKAMP protocol, 4.Oakkey determination protocol
24.	Define IP security. Draw and explain the architecture of IP security
25.	What service provided by IPSec& what is difference between transport mode and Tunnel mode in IPSec.
26.	Consider any 5 Threats to web Security and describe how each is countered by particular feature of SSL- 1.Brute force attack 2.known plain text attack 3.Replay attack 4.Man-in-the- middle attack 5.IP spoofing 6.Password sniffing 7.IP Hijacking 8.SYN Flooding