UNIT IV:PART A

List the services provided by pretty good privacy.
State the need and significance of X.509 authentication service.
List the security options PGP allows when sending an email message
Draw the different components of ISAKMP general Header.
Define SA of IPSEC and its purpose.
Explain How IPSec does offer the authentication and confidentiality services
Compare MIME and S/MIME
Give the role of Ticket Granting Server in inter realm operations of Kerberos
Mention the scenario where Kerberos scheme is preferred.
Show when does the certificate revocation happens in X.509 authentication service.
Explain why PGP allows segmentation of a message .
Give the cryptographic security services provided by S/MIME
Compare signed data content type and Enveloped data content type in S/MIME
Give a simple authentication dialogue used in Kerberos.
Differentiate Certificate revocation and delta revocation in X.509 authentication service.
Compare the certification of X.509 and PGP

UNIT V :PART A

Define worm
Mention the three part of computer virus
List the attacks on packet filters.
List the different class of intruders.
Define DDoS attack.
Differentiate polymorphic and metamorphic virus. Give the classification of virus.
Write a note on rule-based anomaly detection
Write a note on the methods to protect password file from intruders.
State the need for honeypots.
Mention the limitations of firewall.
Give the role of bastion host
Find some Intruder Behavior Patterns with example
Differentiate native audit and detection specific audit records inintrusion detection
In general terms, brief on the methods a worm propagate
differentiate between a packet-filtering router and a stateful inspection firewall

UNIT III:PART A

List the processing logic of SHA-512
List the implementation steps of MD5
List the advantages of MD5.
Write a note on the initialization procedure of MD5 word buffer.
List the features of SHA512
Compare the different versions of SHA.
Draw the compression function of MD5.
Sketch the round function of SHA512.
Differentiate SHA and MD5
Brief on the history of MD5
Outline the process of hashing in MD5