

UNIT-III

	Illustrate the working of MD-5. List out difference between MD5 and MD4.
2)	Define Public Key Infrastructure (PKI) and explain its role in ensuring secure communication on the internet. How does PKI utilize digital certificates for authentication and encryption?

UNIT-IV

3)	Explain the Secure Socket Layer (SSL) protocol and its role in providing secure communication over the internet. Discuss the key features, components, and handshake process of SSL.
4)	Discuss the role of 3-D Secure Protocol in enhancing the security of online card payments.
5)	What are Public Key Cryptography Standards (PKCS), and how do they standardize cryptographic operations within a PKI environment? Provide examples of commonly used PKCS standards and their applications.
6)	Critically assess the security implications of using cryptocurrencies like Bitcoin in online transactions, considering factors such as anonymity, decentralization, and regulation
7)	Provide an overview of basic concepts in Internet Security Protocols. What are the primary objectives of these protocols, and how do they contribute to securing online communication?

UNIT-V

8)	Explain the authentication standards Kerberos with suitable diagram.
9)	Discuss the role and types of Firewall for organization level with suitable diagram.
10)	What is IP Security? Give brief note on IPSec Key Management.
11)	Write a short Notes on: a) Virtual Private Networks b) Intrusion Detection
12)	Describe the process of two-factor authentication (2FA). How does it enhance security compared to traditional password-based authentication?