

Q. No.		Max. Mks	CO
Q1.a	State the rules to convert Plain-text to Cipher-text in Play fair Cipher Technique. Encrypt "HELLO" using Play-Fair Cipher technique with keyword "NETWORK".	06	CO1
Q1.b	What are the three key objectives / goals of computer security. Explain them with diagram.	06	CO1
Q2.a	Explain RSA Key generation, Encryption and Decryption Algorithm. OR With the help of diagram explain the Cipher Feedback Mode block ciphers encryption and decryption.	06	CO2
Q2.b	Explain DES Encryption algorithm and Single Round of DES algorithm with the help of diagram.	12	CO2
Q3	Explain HMAC algorithm with structure.	10	CO3
Q4	Explain ESP Packet Format with diagram. OR Explain PGP Cryptographic Functions for authentication only, confidentiality only and both confidentiality and authentication.	10	CO4
Q5	Explain different types of Firewall with diagram. OR Write short notes on: (any two) i. Intrusion Detection ii. Multilevel Databases iii. Password Management	10	CO5