



**Cryptography and Network Security**  
**Assignment I**

Sl No.	Question
1	Encrypt the message "It's a divine feeling to witness the celestial movement" with the key "CONVERSION" using Playfair cipher.
2	Discuss rail fence method with the message "You are the super hero" with key=4
3	Explain the design of RSA algorithm.
4	Discuss Advanced Encryption standard.
5	Discuss principles of Message authentication.
6	Discuss Pigeon Hole principle problem.
7	Discuss steganography with example.
8	Explain transposition cipher with example.
9	Define confusion.
10	Explain asymmetric cryptography.
11	Discuss stream cipher.
12	Difference between MDC and MAC cryptosystem.
13	Explain Message Authentication.
14	Discuss VIGNERE cipher with the message "You are the superhero" with key=CINEMA
15	Explain component of a modern block cipher.
16	Discuss the transformation in AES.
17	Explain the process to verify message integrity.
18	Discuss birthday problem.
19	Discuss cryptography with example.
20	Explain monoalphabetic cipher.
21	Define diffusion.
22	Explain public key.
23	Discuss block cipher.
24	Discuss authentication in CIA triad
25	Define message digest.