## Set 1 :

1. Find n, ɸ(n), e, d for p=7 and q= 19 then demonstrate encryption and decryption for M = 6
2. q=23, α=9, Xa=4, Xb=3 determine public key and shared key for both users using hellman key exchange algorithm.
3. Encrypt and Decrypt " Surgical strike" message using caesar cipher with key 3.

## Set 2:

1. Find n, ɸ(n), e, d for p=11 and q= 13 then demonstrate encryption and decryption for M = 9
2. q=11, α=2, Xa=8, Xb=6 determine public key and shared key for both users using hellman key exchange algorithm.
3. Encrypt "meet me after the meeting" message using Rail fence technique with key 3.

## Set 3:

1. Find n, ɸ(n), e, d for p=17 and q= 31 then demonstrate encryption and decryption for M = 5
2. q=13, α=6, Xa=5, Xb=2 determine public key and shared key for both users using hellman key exchange algorithm.
3. Encrypt and Decrypt " Darshan university" message using caesar cipher with key 3.

## Set 4:

1. Find n, φ(n), e, d for p=7 and q= 11 then demonstrate encryption and decryption for M = 6
2. q=23, α=5, Xa=6, Xb=15 determine public key and shared key for both users using hellman key exchange algorithm.
3. Encrypt " darshan university is the best" message using Rail fence technique with key 2.

## Set 5:

1. Find n, φ(n), e, d for p=7 and q= 17 then demonstrate encryption and decryption for M = 5
2. q=19, α=10, Xa=7, Xb=8 determine public key and shared key for both users using hellman key exchange algorithm.
3. Encrypt and Decrypt "Test this process" message using caesar cipher with key 3.