

Section - 4

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Ans 3

Encryption :- Encryption is the process of encoding plaintext message into ciphertext message using encryption algorithm.

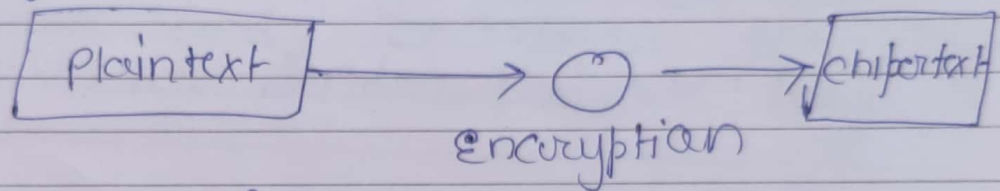


Figure:-

Ciphertext :- Ciphertext is an algorithm which is applied to plain text to get ciphertext. It is the unreadable output of an encryption algorithm. The term ciphertext is sometimes used as an alternative term for Chipher text. Chipher text is not understandable until it has been converted into plaintext using a key.

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Digital Signature :- A digital signature is an authentication mechanism that enables the sender of a message to attach a code that act as a signature. This signature is formed by taking hash of the message and encryption the message with the sender private key.

Digital Signature Scheme typically consist of three algorithm.

1. Key generation algorithm
2. Signing Algorithm
3. Signature verifying algorithm