

Ques-3 :-># Encryption :->

→ It is a process of encoding plaintext messages into ciphertext messages using encryption algorithm.

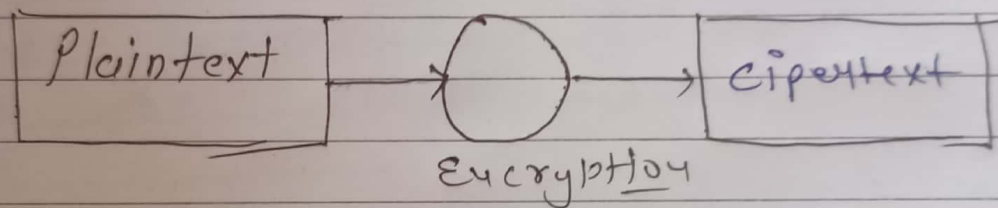


fig:-> Encryption.

Ciphertext :->

→ It is an algorithm which is applied to plain text to get ciphertext.

→ It is the unreadable output of an encryption algorithm.

→ The term "cipher" is sometimes used as an alternative term

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for ciphertext.

→ ciphertext is not understandable until it has been converted into plain text using key.

Digital Signature :-

→ The digital signature is a technique which is used to validate the authenticity and integrity of the message.

→ we know that there are four aspects of security.

1. Privacy
2. Authentication
3. integrity
4. non-Repudiation.