

## ⊗ Conventional Encryption :-

- Conventional Encryption are cryptographic system which uses same key used by sender to encrypt message and by receiver to decrypt message.

### ➤ Conventional Encryption Principles :-

A Symmetric encryption scheme has five ingredients :-

- (i) Plain Text :- It is the original data that is given to the algorithm as a input.
- (ii) Encryption algorithm :- This encryption algorithm perform various transformations on plain text to convert it into cipher text.
- (iii) Secret Key :- Secret key is also an input to the algorithm.  
→ The substitutions and transformations on the plain text.
- (iv) Cipher Text :- It contains encrypted information

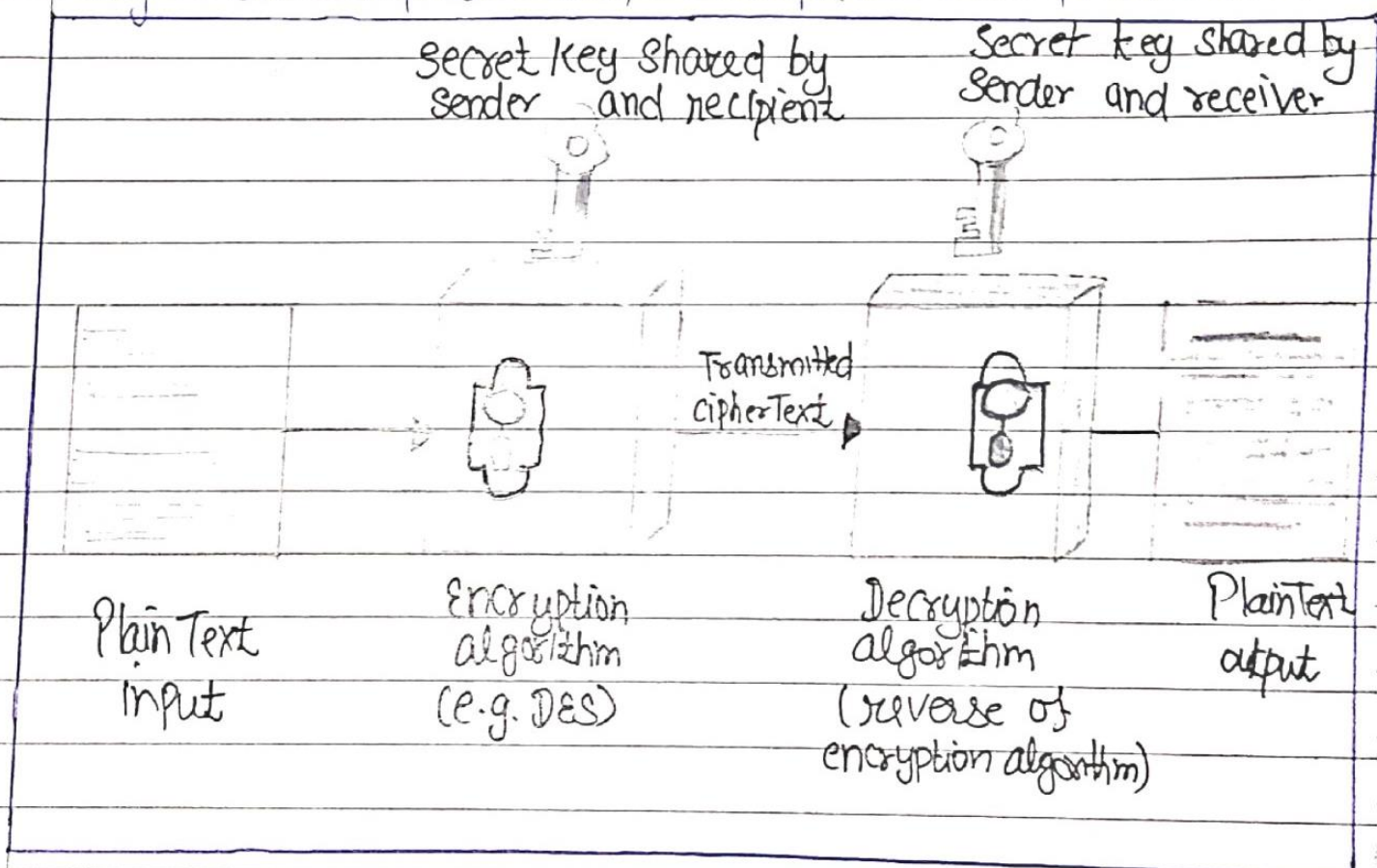
because it contains a form of original plaintext that is unreadable by a human or computer without cipher to decrypt it.

→ It is output from algorithm.

### (V) → Decryption algorithm:-

→ This is used to run encryption algorithm in reverse.

→ It takes the cipher text and secret key as inputs and outputs the plain Text.



(Conventional Encryption Principles)