



Cipher text: - message.  $C = E(K, P) = (P+K) \mod 26$ .

key plain text text for decemption! P = DCK, C) = (C-K) Mod 26Cipher lext. Numerical value is assigned to each other. Since it is a part of symptoni encryption same key is used for encryption Mersage -> "HELLO"
let key- 4. C(H) = (P+K,) mod 26, (7+4) mod 26 = 11 = L C(E) - (Etk) mod 26 - 8 - I I 9ty mod 26 - SPP

ABC ift Cetters BCD. BCD Cipher text Teransposition Techniques; performing some Sort of permutations on the plaintext letters. ie reorders the symbols. the plain text. eg: NAMÉ: 41 4X3X2XI. EAMN AENM OF MNEACTE. of Rail fence - Columnae of Types : Transposition apper. ~ keyed. - Double Jeangasilian Mono alphabelis Suberlition uples

FREEMIND \* Substitution apper :converts standard language of plaintext into coded language of ciphes text by replacing units plaintext in accordance with Set of rules. The plaintext units may be individual letters or characters, letter, pairs triplets or other combinations \* Poly Alphabetic Mono Alphabetic Cipher (Single) one to many one to one eg-PARROT CBQSAL Plaintent & J e.g. PARROT conede CBQQAL -> Addictive eigher (Shift cipher) -> Autokey eigher Tra 1- Vigenere lipher -> Multiplicative Cipher.

features of Cypteography Confidentiality: - Information can only be accessed by the person for whom it is intended and no other except him can access it. \* Integrity: Information cann't be modified in storage or transition between sender and intended science. \* Non-repuditation: Authentication | - The identities of sender and recieves are confirmed.

As well as destination | orgin of information is confirmed. Generyption Algorithms !-Symmetrice encryption also reffered to as Subsitution Transposition
Tehnique upher

