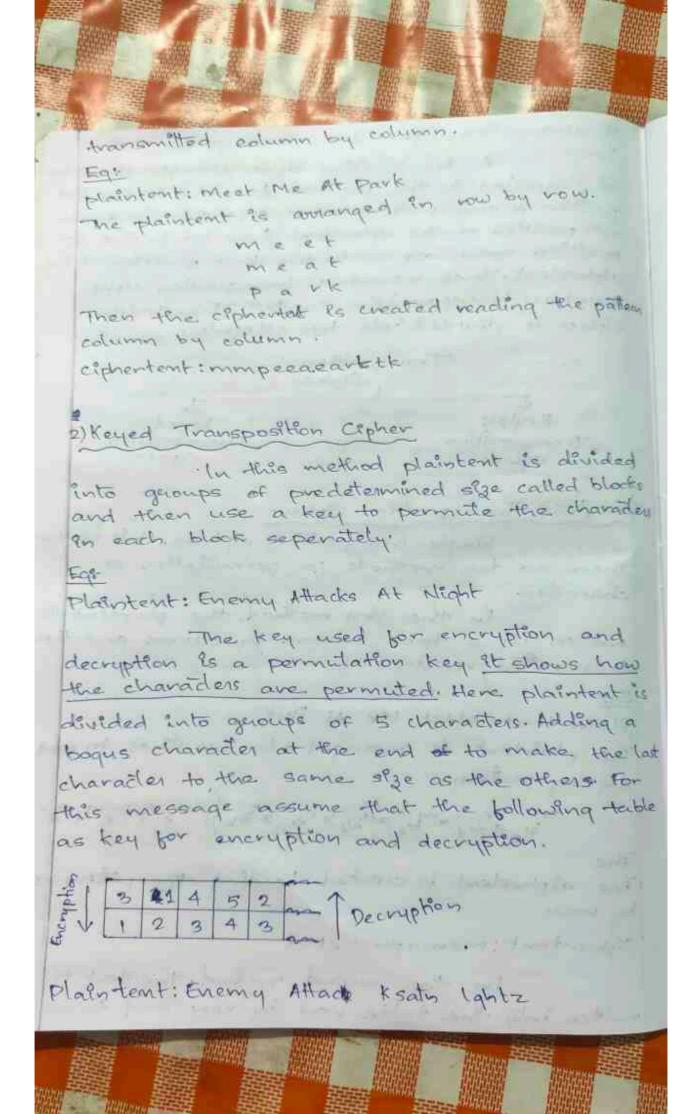
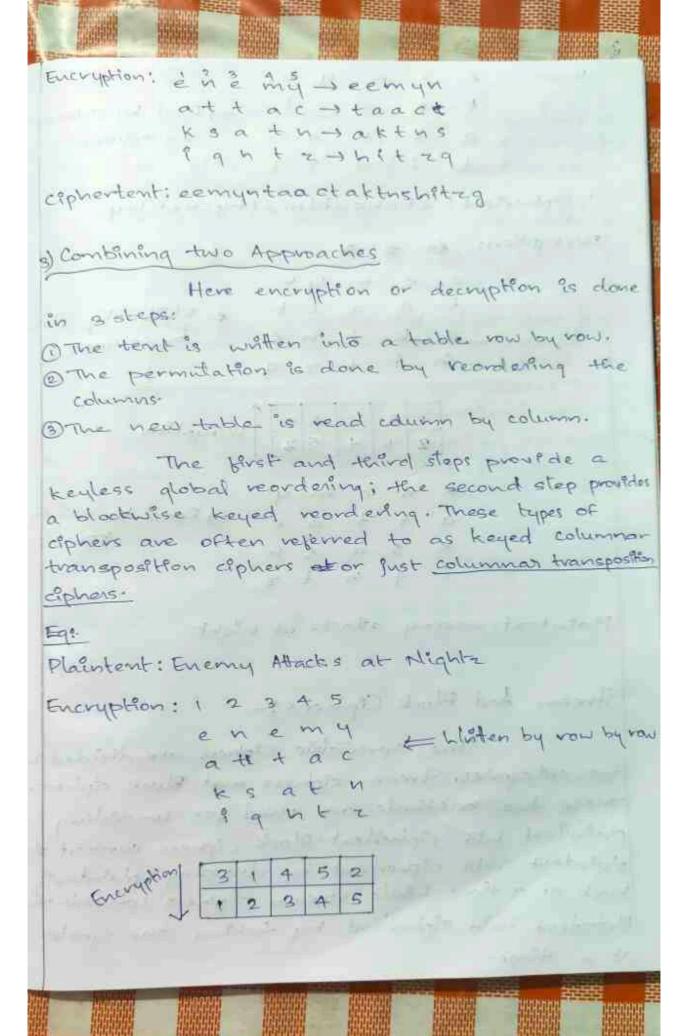
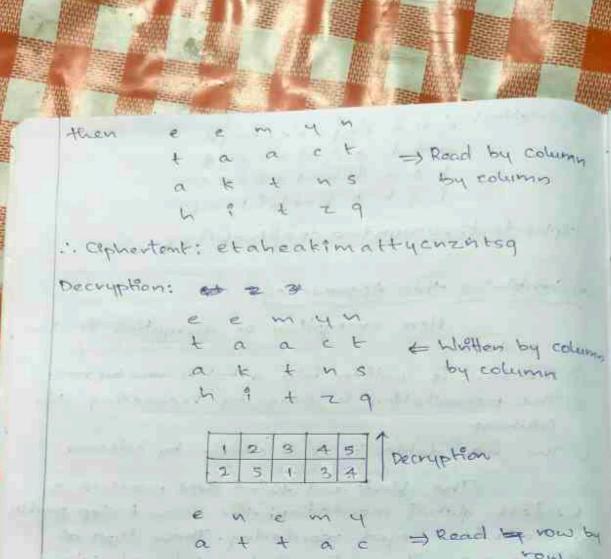
Transposition Cipher 3transposition cipher changes the order of characters in the plaintent. A symbol in the link position of the plaintent may appear in the tents noth position of the ciphertent. A symbol in the oth position may appear in the first position of the cophestent. That means, a transposition copher reorders (transposes) the symbols. Transposition cipher is divided into two categories: Transposition Cloher Transposition Keyless Transposition Copher Ciphier OKeyless Transposition Cephers Simple transposition ciphers. It is keyless. There are two methods for permutation of characters Thereto IN In the Birst method, the plaintent is withen in a table column by adumn and then transmitted row by row Hain tent: Meet Me At Park The plainbent is arranged + in two lines in gig zigzag pattern Merentamerantapharsk (Meet meateur) The aiphostent is created beading the pattern vow by vow. ciphertent: memapretetak In the second method, the tent is wiften into the table row by row and then







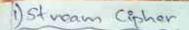
e $n \in m \cdot q$ $a + + a = \Rightarrow Read = row by$ k + s = k + m i + q + k = z

shift in the Mark port towns to the

Plaintent: enemy attacks at night

Stream And Block Ciphers &_

The symmetric Ciphers are divided into two categories, Stream ciphers and Block ciphers. These two methods are used for converting plaintent into ciphertent Block ciphers convert the plaintent into cipherlent by dropping plaintents block at a time. While stream ciphers convert the plaintent into cipherlent by dropping plaintents block at a time. While stream ciphers convert the plaintent into ciphertent by taking one symbol at a time.



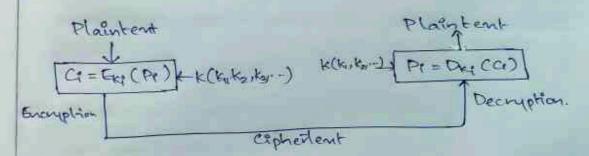
energy for and decryption are done on one symbol at a time. Here we've a plain tent stream C and a key stream k General form

 $P = RP_2P_3 - \cdots \qquad C = C_1C_2C_3 - \cdots \qquad k = (k_1, k_2, k_3, \cdots)$

Eneryption: G = Ext (Pt) Decryption: Pt = Dxt (Ct)

Decryption: Pr=Dx(Cc)

The characters in the plain tent are feed into the encryption algorithm one at a time. The Cophestent characters are created one at a time. The key string can be created in many ways. It may be stream of determined values. It may be one value at a time using an algorithm. The values may depend on the plaintent or ciphertent characters. And may be also depends on the precious key values.



2) Block Capher

A group of plaintent symbols of size m(m>1) are encrypted together creating a group of ciphertent of same size. In a block cipher a single key is used to encrypt the whole block even if the key is made of multiple, values. In a block cipher a ciphertent block depends on the whole plaintent block.

