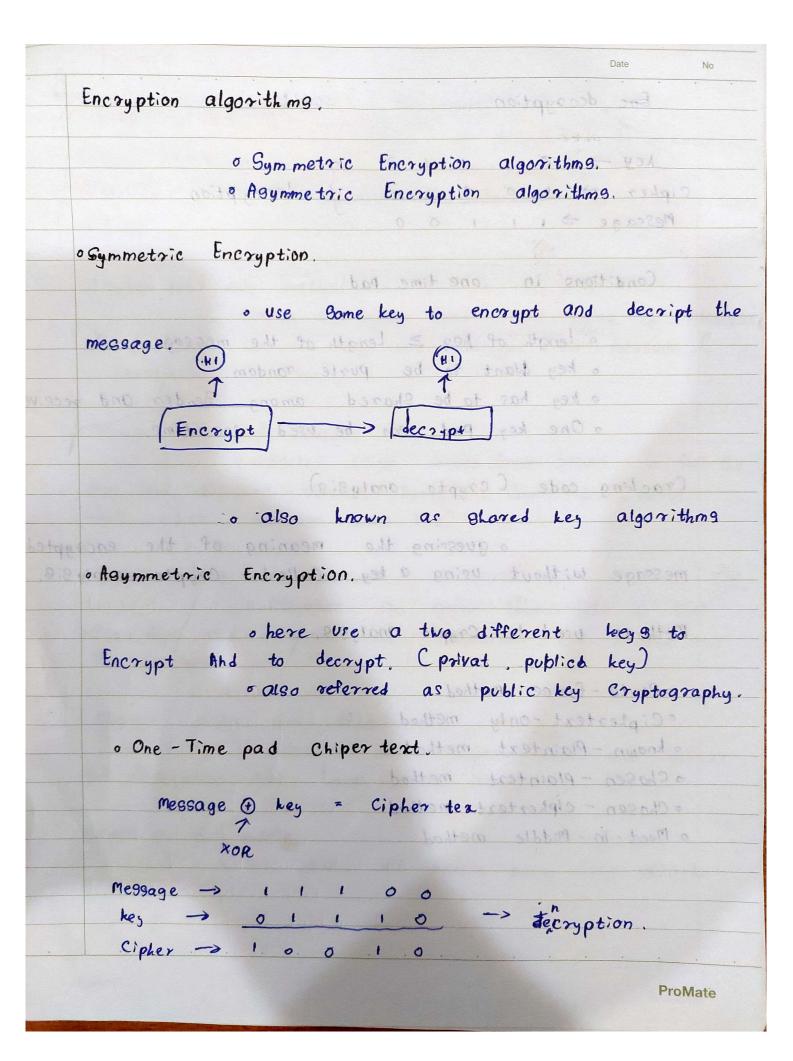


a Combination of E.A and D.A is Called as Cipher. a Cruptegraphy mooning Converting on necessary each E.A and D.A was a key. Should keep it Secret. message Energy Methods of creating a Cipher. o Transposition . bounded and accompany · Substitution. o One - time pad. - later will learn o Transposition cipher text. - no letteres are replaced only rearrenged. (Spell it backward) Leg : DES , 3DESOD - Sposson longino o Substitution Cipher text and a space both both - Plane text characters are being replaced With another character. Eg: Caegar Cipher monoalphabatic Vigenere cipher, - polyalphobatic. Variouse cipher methods that used. Scytale Caesar Cipher Vigenere cipher Jefferson's encryption device ProMate



Encouption algorithms Enc decryption key - my only 10 tyles of ogtom my Cipher > 100010 decryption Mesrage DIIIO osymmetric Encouption Conditions in one time pad o use come key to encoupt and decoipt o length of key > Length of the message o key Want to be purle random. o key has to be shared among gender and receiver o One key pad can be used one-time, Cracking code (crypto analy 3:9) o olso known as stared teg algorith o guesting the meaning of the encrypted message without using a key Called Crypto analy 9:3, Methods used to Crypto analysis, Encount that to decoupt (power publics key) Brute - force - method · Ciphertext - only method · known - Plaintext method o Chosen - Plaintest method · Chosen - ciphertest method o Meet - in - Middle method. ProMate

- o Brute-force method.
- untill find the Bolution.

Any message is vulnerable to brute-force attack.

- o Cypher text only method was soin so + wighter
- Could figure out the key and decrypte the message. C
 practically impossible).
 - o known plain tent ottack.
 - o attacker using brute force attack to find the key and attacker already hove a Some idea about What original message looks like.
 - o Choosen plain text attack.
 - algorithm and observe the algorithm and figure out the message.
 - o Chosen cipher text ottack.
 - the decryption and figur out the key.
 - o Meet in the middle.
 - o also some as known polin text attack.

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