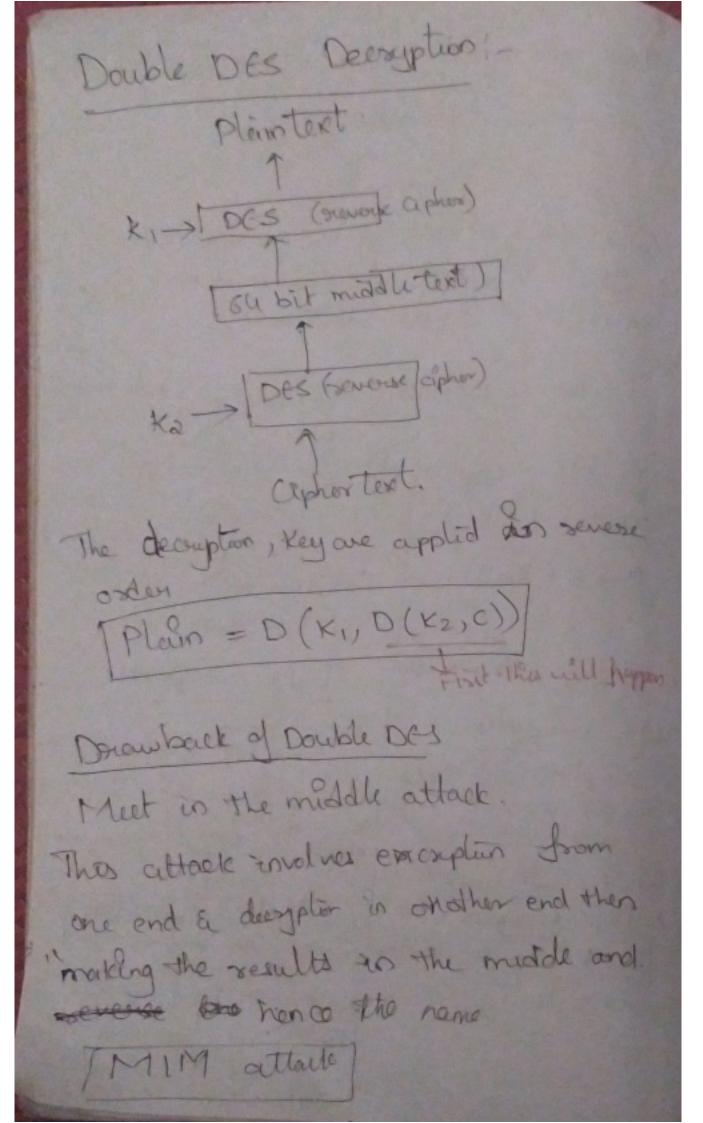
key Generation is how to key in question 4231 Double DES &-Since DES attack was vulnerable in boute force attack, vocations of Des called multiple DES was Entraduced. - USE & DEF Keys (56+56) = 112 bit key -> Double encogption occuss on pllows Encouption P>6 (K1,P) Decryption. E (KZ) E(KI) B)=(gha Data Enexiption > for Decomption 64 bit PT 1st December usy Keykz which produce single encypted cipher to -This 64 best mobile test Tempony withen decoupted way april carlete per middle text the Key KI to get the Text plain text. SI DES Cophey aphor text



Some paint plain lest known & Cephes text known Encycle pars for decompt pass of all 256 possible cul as possible value 9 x2 values of KI Cipher Middle Cupher Habe Terble = 170-d Al posible combonale Passible secret Result or conseputing value for the - x K1, K2) -> ( K1, K2) we will compairs these values with values of the 1st lable computed earliers Decoyptiekz, c) = Encoypt (K, 1 P) in (K, Kz) is the long pairs leved.

This attacks requires some points Plain tol/ cipher text priss Let als assume plaintest = P; Cylon test = 0 This affact proceeds as follows: (1) Enought (P) for all 56 possible value of KI a store the results in a table & Sout of (28) Now, decrypt (2) using all 258 possible values of Ko - As ond " secret is procluce, where against the table for a match. (Ed when there is a mater, we have located a possibly correct pairs of type Note, Now more than I pair keys many repult to a match, but there mo-q peix will be small, we should try each possible pair of keys. - So, it takes truce as long to break double DES usua boute force attack Beary Des has a state early, Double as has | 2×25 = 25 | kay security

4036 TRIPLE DESS. 3DES 2 or 3 keys are used Much stronger than 2065 by the plainted 64 bit PT kind bas Cipher of the same copy be diff DES revener DESCORE KEE Ka > DES Caphon KI 64 Ed Cight to Enorphin way a tegs 64 bit appoint Decoplyn Llog a kees 6 4 Bit P-T 64 Bit P. P histors Rouse Cylin KIT DES aphes By DES grevence - Descaphine ksy Des Opher. 64 bit celter ou bit ciphe tot parythe using 3 trys. Eresthe Illy 3 keys