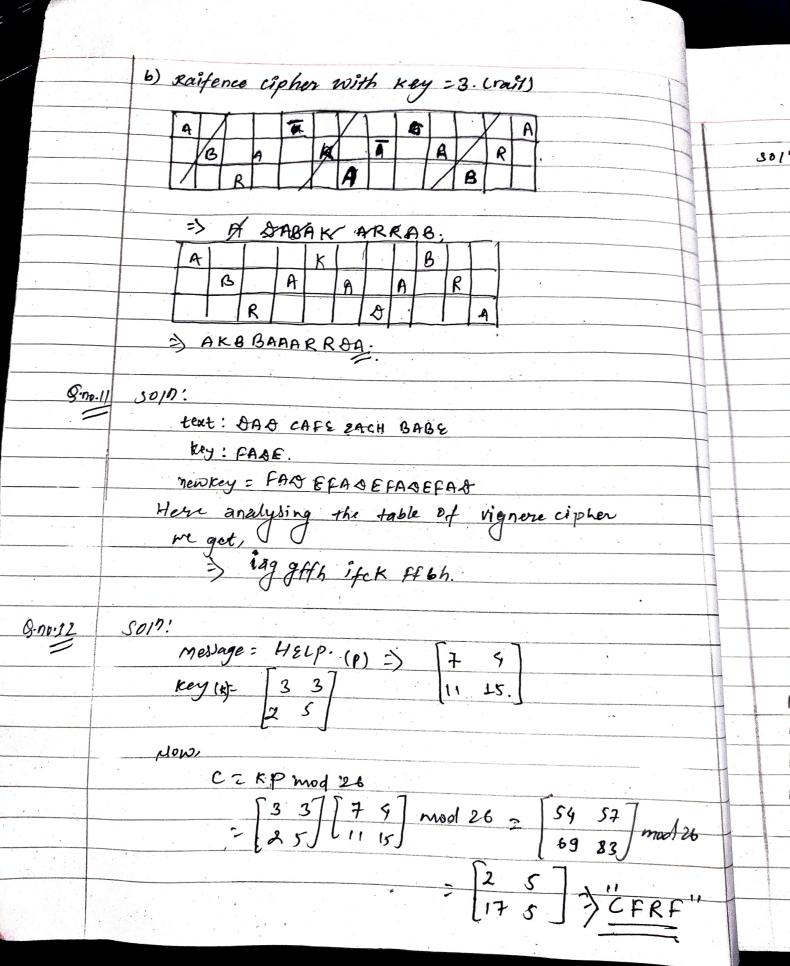
Name: Sandip Kumar Shah 23081029

	Assignment - 1.									
	Numericals!	endere Krister die Angliege zum Franz Einste Michelen und er Angelen sonnt von ausgewerten Art. In der Franz e								
8.71.7	5017.									
	Key: KEYWORD									
	Message: WHY DON'T YOU.									
	diagraph: WH YO ON TY OU									
-	playfair matrix.									
	K E Y W O									
	RDABC									
	F VI H I/J L									
	MNPGS									
	TUVXZ	And General Property of the								
	Now									
	encoded message: YIEAESVKEZ									
8·no.8	8019:									
	plaintext: ABRA EA DABRA									
	7) ceaser eigher with key 28									
	here									
	$P_1 = A = 0$; $C_1 = (0+8) \mod 26 = 8 \Rightarrow 1$									
	Pa = B = 1; = 2 = (1+8) model = 9 =) J									
	P3-R= 17; C3= (17+8) mod 26=25 >> Z									
	P4 = K = 10; Cy = (10+8) mod 26 = 18 =)	and the commence of the state of the commence								
	Pr=0 = 3; Sr= (3+8) med 26 = 11 =>									
	i.e.									
	ABRA KA DABRA = 1JZI SI LIJZI									



```
8.no. 14
      5017:
           Message: "M221 m2" => $ m2 27 m2 124
           Kay: 5 9 4 7
           NON, for me: [12 9] [9 4] mod 26 = 128 76
                                           = 128 76 ] mad 4
                                     = [24 24] = 11
            Similarly for ET:
                [4:19] [5 ] mod 26: [131 149] mod 26: [1 19]
          1-0:
          MEET ME -"YY BT YY"
                     B.no. 15.
      9) ceaser cipher Key : 5:
            "LOST EN PARADISE" PILSE:4;4=(4+5) mod 26:935
 PL -2 L = 11; CL: 15 (1/+5) mod 21 = 16 => 8
                                         i.e.
 P2 = 0 = 14; C2 = (14+5) mod 26 = 19 2) T
                                         encoded: gtxy is usufijxa
 P3 =5: 18; (3= (18+5) mod 26 = 23 3) X
 P4 = 7 = 19; Cq = (19+5) mod 26 = 29 => Y
Pr=1=8; 5= (845) moder=13 =) N
P6 2N = 13; 6 = (13+5) mod 26 = 18 2) S
P7 = P = 15 i G = (15+5) model = 20 2) U
P8 = A = 0 i Cy = (0+5) med 26 = 5 2) F
Pg = R = 17 , cg = (1745) mad 28 = 22 2) W
P102023 (C10 = (3+5) model = 8 2) I
```

, 1			,	1	r n	0	1	1	1	1		0	
	0		1	-	N		A		11		I		٤
	-	2	•	1			10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	R		0			

encoded: L PSONAI ESTROTA.

B.no. 16

80/2:

Playfair Matrix: & X A M P
"HIDE THE WOLD"

L B C O F

W M T/j K N

O B R S T

U V W Y Z

NOW

enuded menage: IKIMONIOU UBM

B.no.18.

5017.

"RUN AWAY".

Key: CRYPTO

playfair matrix:

C	R	Y	P	71
0	A	B	29	2
F	М	1-1	4	K
L	M	N	8	5
U	A	7	1	2

encoded menage: cvMBvBpW