A	B	C	D	E	F	G	H	I	J
0	1	2	3	4	5	6	7	8	9
K	L	M	N	0	P	Q	R	S	T
10	11	12	13	14	15	16	17	18	19
U	V	W	X	Y	Z				
20	21	22	23	24	25				

A	B	C	D	E	F	G	H	I	J
0	1	2	3	4	5	6	7	8	9
K	L	M	N	0	P	Q	R	S	T
10	11	12	13	14	15	16	17	18	19
U	V	W	X	Y	Z				
20	21	22	23	24	25				

A	B	C	D	E	F	G	H	I	J
0	1	2	3	4	5	6	7	8	9
K	L	M	N	0	P	Q	R	S	T
10	11	12	13	14	15	16	17	18	19
U	V	W	X	Y	Z				
20	21	22	23	24	25				

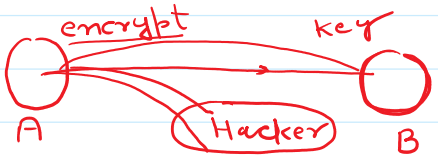
A	B	C	D	E	F	G	H	I	J
0	1	2	3	4	5	6	7	8	9
K	L	M	N	0	P	Q	R	S	T

10	11	12	13	14	15	16	17	18	19
U	V	W	X	Y	Z				
20	21	22	23	24	25				

A	B	C	D	E	F	G	H	I	J
0	1	2	3	4	5	6	7	8	9
K	L	M	N	0	P	Q	R	S	T
10	11	12	13	14	15	16	17	18	19
U	V	W	X	Y	Z				
20	21	22	23	24	25				

A	B	C	D	E	F	G	H	I	J
0	1	2	3	4	5	6	7	8	9
K	L	M	N	0	P	Q	R	S	T
10	11	12	13	14	15	16	17	18	19
U	V	W	X	Y	Z				
20	21	22	23	24	25				

Cryptography



(i) Ceasar cipher method
(ii) Shift cipher method
(iii) Affine method.

A	B	C	D	E	F	G	H	I	J
0	1	2	3	4	5	6	7	8	9
K	L	M	N	0	P	Q	R	S	T
10	11	12	13	14	15	16	17	18	19
U	V	W	X	Y	Z				
20	21	22	23	24	25				

Ceasar cipher method

$f(p) = p+3 \pmod{26}$

Encrypt PQ using Ceasar Cipher Method.

Given message (P Q)

→ 15 16

→ 18 19

→ S T

→ 18

→ S T

Decrypt this message 'ST'

'S T'

18 19

15 16

P P

Decrypt the message "AT"

(mod 26)

"0 19"

"-3, 16"

"23 16"

"X P"

Encrypt the Message "ZY"

"Z Y"

"25 24"

+3 "28 27" (mod 26)

"2 1"

"C B"

Encrypt the Message

"MEET ME IN THE PARK"

A	B	C	D	E	F	G	H	I	J

"MEET ME IN THE PARK"

A	B	C	D	E	F	G	H	I	J
0	1	2	3	4	5	6	7	8	9
K	L	M	N	O	P	Q	R	S	T
10	11	12	13	14	15	16	17	18	19
U	V	W	X	Y	Z				
20	21	22	23	24	25				

" MEET ME IN THE PARK"

→ " 12 4 4 19 12 4 8 13 19 7 4 15 0 17 10"

→ " 15 7 7 22 15 7 11 16 22 10 7 18 3 20 13"

" PHHW PH LQ WKH SDUN"

① Encrypt this message " A Parrot is in that cage"

② Encrypt this message " STOP GLOBAL WARMING"