

playfair cipher:-

- ① Encrypt the message "surgical strike" with the key "PAVIAIR" using playfair technique.

plaintext:- surgical strike

→

su	gi	ic	al	st	ri	ke
PA	QU	VO	im	to	QA	mc

Q → U	S → I	I → A	R →
B	C → D	E	F
H	K	L	M
O	P	Q	S
V	W	X	Y
Z			

plaintext:- surgical strike

ciphertext:- paguodimtoQAmc

- ② Using playfair cipher encrypt the plaintext "why, don't you?" use the "keyword"

Plaintext:- why don't you

wh	gd	an	ty	ou
gi	ea	es	vk	ez

K	e	y	W	o
n	d	a	b	c
f	g	h	i	j
m	N	P	Q	S
t	U	V	X	Z

plaintext: why, don't you?
 ciphertext: yicervkez

- ③ Using playfair cipher encrypt plaintext "OC"
 use the key "PLAYFAIR"

Solⁿ

	P	L	A	Y	F
	I/J	R	B	C	D
	E	G	H	K	M
	N	O	Q	S	T
	U	V	W	X	Z

plaintext: OC

ciphertext: SR

- ④ Using playfair cipher encrypt The
 plaintext "tall trees" use the
 key "OCCURRENCE"

plaintext: tall trees

t	a	l	t	r
e	e	s		

p	f	j	z	i	q	e	o	r	t
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	O	C	Y	G	E
	N	A	B	D	F
	H	I/J	K	L	
	M	P	Q	S	T
	V	W	X	Z	

plaintext: tell trees
 ciphertext: pfjzjqcost

- (5) using Playfair cipher encrypt the plaintext "good morning" use the key "playfairsample".

plaintext	g	o	o	m	o	r	n	i	n	g	x
	d	o	e	s	e	u	r	k	g	a	

P	L	A	T	F
I/J	R	E	X	M
B	C	D	G	H
K	N	O	Q	S
T	U	V	W	Z