CSE 490 Assignment :01

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Answer to the avestion-1

Given ciphertext :

VSRQJHEREVTXDUHSDQWU -1

corresponding cipher text :

1															
a	6	C	9	e	6	3 h;	ilkl	Im		1 3					
	2	1	C	. 6	4 8 -	9	3		0/0/6	12/	2/2	tu	ww	Myla	7
١	,de		S	H	ا ا	JKL	MN	P	000	1	\coprod		1	111	
			- 10	-			11	1.	Jakis	17/1	UV	WX	V 3	H	
							-in-		7		1 1	1,,	111 <	JAIRL	$\overline{}$

Sor for the given ciphertext-O, the plain text will be:

s ponge bobsquarepants

Answer to the Question-2

given message is,

We are all together.

By creating 4x4 matrix we get,

1	1	2	3	12	the transport 12h
2	e	a	1	1	
3	+	0	9	e	
4	+	h	e /	2	

We are now gonna do row partiti permutation

(1,2,3,4)=) (2,4,1,3)

	\	2	3	4
2	e1	a	1	1
4	7	h	Q	2
1	W	e	a	N
3	+	0	9	P

After doing coloumn permutation we get, (1,2,3,4) & (3,1,2,4)

	3	1	2	4	
2	1	و	0/	1	
4	e	t _i	i , h - 4	100	•
)	a	3	ę	•	
3	3	; t	0	<u>a</u>	_

The required ciphertext : LEALETHR AWERGITOE (Ans)

Answer to the Question-3

Given table -2.1 =>

letter	e	h	0 1	ĸ	~	P	0	+
binany	000	001	010	1011	100	101	110	111
	- A			•			1	

Ciphentext (KITLKE) = 011 010 111 100 011 000

a) In case of 'thrill'?

Plaintext: 111 001 101 010 100 100

Diphertext : 011 010 111 100 011 000

key : 100 011 010 110 111 100

Exigneraex :011 010 100 000 011 101

Key : 100 000 011 000 011 101

Le Ke Ke