Network Security (CSCI-6708)

Assignment - 5

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1. M= CRYPTOGRAPHY
   K= SECRETSECRET
   C= UVAGXHYVCGLR

2. M= CRYPTOGRAPHY
   C= CRYPTOGRAPHY
   K= AAAAAAAAAAA
   Key string is AAAAAAAAAAA and key could be A, AA, ….. , AAAAAAAAAAA.
   Note: this is using Vigenere cipher.

   For Caesar cipher, key can be 0.

3. K=NETWORKSECURITY

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

   M= AL LG EN ER AL IZ AT IO NS AR EF AL SE IN CL UD IN GT HI SO NE
   C= BH MH TE NK BH DP HS DN TR IS NG BH KT FR BX DM FR HE FA UT ET

4. M= WHY%IS%IT%SO%WINDY

1	2	3	4	5	6
W	H	Y	%	I	S
%	I	T	%	S	O
%	W	I	N	D	Y
%	%	%	%	%	%

   C= YTI%%%N%ISD%SOY%HIW%W%%
   K= 3,4,5,6,2,1

5. C= R%M%I%ED%IF%DTEI%!%RBNE%AOAGL%
   K=3,4,1,5,2

1	2	3	4	5
D	A	R	E	%
T	O	%	D	R
E	A	M	%	B
I	G	%	I	N
%	L	I	F	E
!	%	%	%	%

M = DARE%TO%DREAM%BIG%IN%LIFE!

6. K1= NETWORK
   K2=SECURITY

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

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

M= AL LG EN ER AL IZ AT IO NS AR EF AL SE IN CL UD IN GT HI SO NE

C= IP ND CM TN IP KZ BY HS EE BT EF IP MO GS IS QD GS FA DB LP EC