



Sri Lanka Institute of Information Technology

Introduction to Cyber Security - IE2022

Lab Submission 02

IT22151056

De Silva K.R.K.D

Group – WD.CS 01.02

Exercise 1

i. Key = 3

Plaintext	E	N	C	R	Y	P	T	I	O	N
Ciphertext	H	Q	F	U	B	S	W	L	R	Q

ii. Key = 13

Plaintext	C	R	Y	P	T	O	L	O	G	Y
Ciphertext	P	E	L	C	G	B	Y	B		

iii. Key = 24

Plaintext	W	H	E	R	E	A	R	E	Y	O	U
Ciphertext	U	F	C	P	C	Y	P	C	W	M	S

Exercise 02

i. Key = 4

Ciphertext	T	E	W	W	Z	S	V	H
Plaintext	P	A	S	S	V	O	R	D

ii. Key = 12

Ciphertext	U	'	X	X	F	T	U	Z	W	M	N
Plaintext	I	'	L	L	T	H	I	N	K	A	B

A	G	F	F	T	M	F
O	U	T	T	H	A	T

Exercise 03

Key: MAP

Plaintext	A	U	T	H	E	N	T	I	C	A
Key	M	A	P	M	A	P	M	A	P	M
Cipher text	M	U	I	T	E	C	F	I	R	M

T	I	O	N
A	P	M	A
T	X	A	N

Exercise 04

Key: WORD

Plaintext	T	H	I	S	W	A	S	H	A	R	D
Key	W	O	R	D	W	O	R	D	W	O	R
Cipher text	P	V	Z	V	S	O	J	K	W	F	U

T	O	B	R	E	A	K	B	E	C	A	U
D	W	O	R	D	W	O	R	D	W	O	R
W	K	P	I	H	W	Y	S	H	Y	O	L

S	E	T	H	E	R	E	W	E	R	E
D	W	O	R	D	W	O	R	D	W	O
V	A	H	Y	H	N	S	N	H	N	S

N	O	S	P	A	C	E
R	D	W	O	R	D	W
E	R	O	D	R	F	A

Exercise 05

Cipher text	S	A	L	T	J	R	P	Z	L
Key	P	E	N	P	E	N	P	E	N
Plaintext	H	E	Y	I	N	E	E	D	Y

Cipher text	Z	Q	E	W	W	C	E	K	C
Key	P	E	N	P	E	N	P	E	N
Plaintext	O	U	R	L	A	P	T	O	P

Exercise 06







