## CSS322 - Quiz 2

Nam	e:	ID:	Marks: (10)		
Qu	estion 1 [2.5 marks]				
	ider a mono-alphabetic cipher, with a ll possible plaintext values shown be bage).		_		
-	B C D E F G H I J K L M N O P W O Q R C P m f e g H q Z S t				
_	cdefghijklmnopq Lu_EKsBAvnGNiTb				
(a)	With a computer that can make $10^9$ case time for a brute force attack? [		nd, what is the worst		
(b)	Explain a practical attack against the	he cipher. [1 mark]			
Question 2 [3 marks]					
(a)	In a or network with traffic.	attack, a malicious us	er overloads a server		
(b)	is exactly as sent.	a security service that assu	ires data received are		
(c)	The process of converting an origin message is called	_	apparently random		

## Question 3 [2 marks]

Using the first 8 letters of your full name (convert all uppercase to lowercase, and delete any characters which are not letters a—z) as a keywords, encrypt the ciphertext *merry* using the Playfair cipher.

Plaintext:		
Ciphertext:		

## Question 4 [2.5 marks]

Consider the ciphertext sthseeteitaxabrdsenx output from a rows/columns transposition cipher using the key 42135. What is the plaintext?

Plaintext:	