## CSS322 - Quiz 2

Name:	_ ID:	Marks: (10
Question 1 [2.5 marks]		
Consider a mono-alphabetic cipher, w for all possible plaintext values show the page).		_
p: A B C D E F G H I J K L M N C: _ D g f i J T e z v w Q L G		
p: c d e f g h i j k l m n o p C: x Z k E j u q C p K r F h B		
(a) With a computer that can make worst case time for a brute force		per second, what is the
(b) Explain a practical attack again	nst the cipher. [1 mark]	
Question 2 [3 marks]		
(a) In a of an intercepted message.	attack, a malicious	user changes the content
(b) The process of converting an omessage is called		ded, apparently randon
(c)ways accessible to authorised us	_ is a security service tha	at assures a system is al

## 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 *sunny* using the Playfair cipher.

Plaintext:			
Ciphertext: _			

## Question 4 [2.5 marks]

Consider the ciphertext sshxktoxeisxeorxdyot output from a rows/columns transposition cipher using the key 53124. What is the plaintext?

Plaintext:	