SIIT CSS 322

CSS 322 - QUIZ 4

First name:	Last name:	
ID:	Total Marks:	
	out of 10	

- Write your name and ID in the space provided at the top of the sheet.
- Answer the questions on this sheet(s) only, using the space given.

Question 1 [4 marks]

Using RSA, encrypt the message M = 3, assuming the two primes chosen to generate the keys are p = 13 and q = 7. You should choose a value e < 10. Show your calculations and assumptions.

Question 2 [4 marks]

If Alice used the RSA algorithm in Question 1 to send the message M = 3 to Bob so that Charlie could not read the message, then:

a) Do you know Alice's public key? If yes, what is it?

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