

Assignment 1

Due on 2nd April 2021, 11:59pm, electronically via the 'Assignment1' link in Blackboard.

Marking scheme and feedback form

Group Number:	Student Name	Student Number
Team member 1		
Team member 2		

	Comment	Mark
<u>Cipher 1 (25 marks)</u>		
Cipher broken: encryption key provided (4 marks), plaintext provided (3 marks)		
Type of cipher determined correctly by frequency distribution, IC, Kasiski, etc – all the workings shown (7 marks)		
Detailed description of the performed cryptanalysis (9 marks)		
Plaintext presented with spaces, capital letters and punctuation marks (2 marks)		
<u>Cipher 2 (25 marks)</u>		
Cipher broken: encryption key provided (4 marks), plaintext provided (3 marks)		
Type of cipher determined correctly by frequency distribution, IC, Kasiski, etc – all the workings shown (7 marks)		
Detailed description of the performed cryptanalysis (9 marks)		
Plaintext presented with spaces, capital letters and punctuation marks (2 marks)		
<u>Cipher 3 (25 marks)</u>		
Cipher broken: encryption key provided (4 marks), plaintext provided (3 marks)		
Type of cipher determined correctly by frequency distribution, IC, Kasiski, etc – all the workings shown (7 marks)		
Detailed description of the performed cryptanalysis (9 marks)		
Plaintext presented with spaces, capital letters and punctuation marks (2 marks)		
<u>Cipher 4 (25 marks)</u>		
Cipher broken: encryption key provided (4 marks), plaintext provided (3 marks)		
Type of cipher determined correctly by frequency distribution, IC, Kasiski, etc – all the workings shown (7 marks)		
Detailed description of the performed cryptanalysis (9 marks)		
Plaintext presented with spaces, capital letters and punctuation marks (2 marks)		
TOTAL out of 100		