The University of Newcastle
School of Electrical Engineering and Computer Science
COMP3260/6360 Data Security

Assignment 1

Due on 11th April 2019, 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
Cipher 1 *(25 marks)*		
Cipher broken: encryption key provided (4 marks), plaintext provided (3 marks)		
Type of cipher determined correctly by, for example, frequency distribution, IC, Kasiski, etc – all the workings shown (6 marks)		
Detailed description of the performed cryptanalysis (9 marks)		
Plaintext presented with spaces, capital letters and punctuation marks (3 marks)		
Cipher 2 *(25 marks)*		
Cipher broken: encryption key provided (4 marks), plaintext provided (3 marks)		
Type of cipher determined correctly by, for example, frequency distribution, IC, Kasiski, etc – all the workings shown (6 marks)		
Detailed description of the performed cryptanalysis (9 marks)		
Plaintext presented with spaces, capital letters and punctuation marks (3 marks)		
Cipher 3 *(25 marks)*		
Cipher broken: encryption key provided (4 marks), plaintext provided (3 marks)		
Type of cipher determined correctly by, for example, frequency distribution, IC, Kasiski, etc – all the workings shown (6 marks)		
Detailed description of the performed cryptanalysis (9 marks)		
Plaintext presented with spaces, capital letters and punctuation marks (3 marks)		
Cipher 4 *(25 marks)*		
Cipher broken: encryption key provided (4 marks), plaintext provided (3 marks)		
Type of cipher determined correctly by, for example, frequency distribution, IC, Kasiski, etc – all the workings shown (6 marks)		
Detailed description of the performed cryptanalysis (9 marks)		
Plaintext presented with spaces, capital letters and punctuation marks (3 marks)		
TOTAL out of 100		