Cryptography Essay #2 (Expository Paper)   Student Name: _____

Component	Poor (1 point)	Acceptable (2 points)	Good (3 points)	Excellent (4 points)	Score
Content					
Topic	Most or all of the treatment of the topic is lifted from discussions of the topic in the course / text.	Some of the treatment of the topic goes beyond its treatment in the course / text.	Roughly half of the treatment of the topic goes beyond its treatment in the course / text.	Most or all of the treatment of the topic goes beyond its treatment in the course / text.	
History	Very little of the history of the topic is discussed.	Aspects of the history of the topic are discussed, but one or more important aspect missing.	The history of the topic is mostly complete (inventors, reasons for invention, notable examples of use, impact on later ciphers), with no major aspects not addressed.	The history of the topic is mostly complete and connections are made to other topics in the course.	
Crypto	Very few cryptographic and/or mathematical aspects of the topic are discussed.	A few cryptographic and/or mathematical aspects of the topic are discussed, but important ones are missing.	Several important cryptographic and/or mathematical aspects of the topic are discussed (encryption, decryption, cryptanalysis).	Important cryptographic and/or mathematical aspects of the topic are discussed and connections are made to other topics in the course.	
Clarity					
History (**Double Points for This Row!**)	The history of the topic is communicated in a way that fellow students would not be able to understand.	The history of the topic would make at least some sense to fellow students.	The history of the topic would be mostly clear to fellow students.	The history of the topic would be very clear to fellow students—clear enough that elements of the paper could (almost!) be made available as a textbook supplement.	

Component	Poor (1 point)	Acceptable (2 points)	Good (3 points)	Excellent (4 points)	Score
Crypto (Double Points for This Row!)	The explanation of cryptographic and/or mathematical aspects of the topic would be difficult for fellow students to follow.	The explanation of cryptographic and/or mathematical aspects of the topic would make at least some sense to fellow students.	The explanation of cryptographic and/or mathematical aspects of the topic would be mostly clear to fellow students.	The explanation of cryptographic and/or mathematical aspects of the topic would be very clear to fellow students—clear enough to serve as examples of such explanations for future students.	
Voice	The student's voice sounds entirely artificial (e.g. using words the student is not likely to understand) and/or inappropriate to academic writing (e.g. far too informal).	The student's voice generally sounds natural and is appropriate to academic writing with the exception of a few weak spots.	The student's voice sounds natural (using words and phrasings not unlike his/her speaking voice) and is appropriate to academic writing.	The student's voice sounds natural, is appropriate to academic writing, and is entertaining in one way or another.	
Presentation					
Mechanics	So many grammatical, punctuation, or spelling mistakes that it's hard to keep reading the paper.	Several grammatical, punctuation, or spelling mistakes—enough to slow down one's reading of the paper several times.	A few grammatical, punctuation, or spelling mistakes—nothing that would slow down one's reading of the paper for more than a second or two.	At most, only a couple of grammatical, punctuation, or spelling mistakes—nothing that impedes one's reading of the paper.	
References	References and/or citations are poorly formatted and it's unclear how references were used.	References and citations are appropriately formatted, but it's unclear how those references were used.	It's reasonably clear how references were used, but references and/or citations are inappropriately formatted.	References are appropriately formatted and citations make clear how those references were used.	
Bonus				+1 point for papers whose visual presentation (fonts, graphics, etc.) is notably attractive.	

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Responding to Peers					
Comments	No comments made in response to others' papers.		One useful comment made in response to others' papers.	At least two useful comments made in response to others' papers.	
Total Score **(44 Points Max)**					

Comments: