NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **4 marks** | **3 Marks** | **2 Marks** | **1 Mark** |
| **Introduction** |  | Comprehensive intro that states purpose of investigation and references the question to be solved | Introduction that states purpose of the investigation. | Any introduction at all |
| **Summary of Encryption in use today** | Identify and give some brief description about the type of encryption used today. Explain problems with the encryption for low level security. | Identify and give some brief description about the type of encryption used today. Explain problems with the encryption. | Identify and give some brief description about the type of encryption used today. | Identify a type of encryption used today. |
| **Level A Encryption** | Example of how to encode with level A encryption with correct and accurate method. | Example of how to encode with level A encryption with correct method. | Explanation of level A encryption with instructions to encode | Explanation of level A encryption to encode. |
| Example of how to decode with level A encryption with correct and accurate method. | Example of how to decode with level A encryption with correct method. | Explanation of level A encryption with instructions to decode | Explanation of level A encryption to decode. |
| **Level B Encryption** | Example of how to encode with level B encryption with correct and accurate method. | Example of how to encode with level B encryption with correct method. | Explanation of level B encryption with instructions to encode | Explanation of level B encryption to encode. |
| Example of how to decode with level B encryption with correct and accurate method. | Example of how to decode with level B encryption with correct method. | Explanation of level B encryption with instructions to decode | Explanation of level B encryption to decode. |
| **Difficulties / Issues** |  | Identifies difficulties with both levels of A and B with a possible explanation. or identifies that if det of matrix needs to 1 or -1 to work for level B due to modulo arithmetic. | Identifies difficulties with both levels of A and B identifies that if det of matrix is 0 cannot have an inverse | Identifies difficulties with one level of encryption |
| **Recommendation** |  | Gives a recommendation with a detailed explanation | Gives a recommendation with a reason. | Gives a recommendation. |
| **Other** |  |  |  | Appendix |
| **TOTAL /30** |