**RSA Assignment: Self-Marking Sheet**

**Please Complete (by grading yourself under the first 3 headings and providing justification for the mark you awarded yourself) and upload.**

**Student name:**

**Implementation (8 marks)** (Have you fully implemented the chosen Cryptosystem? Your application should be capable of (i) Key generation; (ii) encryption & (iii) decryption? **What size of message can it encoded/ decode? Any limitations? Is it well written/efficient & commented?** )

# 6.5

* My implementation can generate key pairs and encrypt/decrypt messages.
* can encrypt digits, characters, words, sentences, paragraphs
* Two limitations exists and details are provided in documentation.
* Code are well-structured and commented.

**Innovations (4 marks)** (Does your implementation contain any self-authored methods / additional securities or other features that warrant additional marks? Explain.

# 2.5

* Only necessary methods are made to be public and users have no access to other private methods and variables, this guarantees the security.
* I implement my own methods used to convert between numeric value and character.

**Documentation (4 marks) (**How well does your documentation meet the requirements of providingdetails of (i) the methodology/ structures used in your implementation; (ii) **any limitations in your program, due to assumptions made;** (iii) any problems encountered and (iv) output from examples used to test your program. **)**

# 2

* Basic information is provided.

**Demo (4 marks) (**You will also be required to present your application. This will involve (i) explaining your code; (ii) providing details of the methodology used; (iii) discussing any limitations in your program, due to the assumptions made; (iv) highlighting any problems encountered; (v) a walk through output from examples used to test your program and (vi) answer questions.) **You will provide this mark after your demo.**

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**This assignment is entirely my own work and any code incorporated was written by me. I have advise my lecturer where this is not the case.**

**Signature:**