

Family Name:

Other Names:

Signature:

Student Number:

This PAPER is NOT to be retained by the STUDENT

The University Of New South Wales
COMP3441/9441 Final Exam (skeleton)

Cryptography and Security

November 2004

Time allowed: **3 hrs**

Number of questions to answer: **14**

Total number of marks: **101**

You must hand in this entire exam paper, the answer booklets, and your reference sheet. Failure to do so will result in zero marks for the subject and a possible charge of academic misconduct.

Do not use red pen or pencil in this exam. You may bring and refer to one reference sheet of A4 paper containing your name, student number, and any notes you wish. Scientific calculators may be used. Computers, programmable calculators, calculators capable of storing text, or devices capable of wireless communication may not be used. Use or possession of a non-allowed device will result in zero marks for the subject and a possible charge of academic misconduct.

before you start: Fill in all of the details on the front of *each* answer booklet, and SIGN each booklet. Do the same for this pink question paper. Check your name and student number are written clearly on your reference sheet. Write *WORKING ONLY* on the front of one answer booklet. Flip the answer booklets over and turn them upside down - you must write your answer on the *last* two pages.

There is one mark for following the examination instructions.

Examiner's Use Only												
	Inst	A	12	13	14	15	16	C	D	Total		

Part A: Short Answer Questions

Answer these questions in the spaces provided below on **this pink question paper**. DO NOT answer these questions in one of the answer booklets!

Write your answers clearly. Keep your answers neat and very brief. Messy or long answers will not be marked.

In this part if you do not wish your answer for a question to be marked clearly write “*1 sympathy mark please*” in the space for the answer. If you do this as well as writing an answer, the answer will **not** be marked. If a question has consists of multiple subquestions writing this for any subquestion will result in one mark being awarded for the entire question.

Each question is worth 5 marks.

Question 1

Compare and contrast

Question 2

Explain...

Give ... and explain ...

Question 3

How could you ...

Question 4

Explain what you could do to ...

Question 5

How could you ...

State, and briefly explain, ... In your answer you may wish to make use of the fact that ...

Question 6

...

Question 7

Explain and contrast ...

Give the name of ..., and an example of ...

Question 8

Describe ...

Question 9

The following is an extract from ...

Give the main strengths and weaknesses of ...

Question 10

...

Question 11

...

Question 12

Outline ...

Part B: Long Answer Topics

Select and answer *TWO only* of the following topics.

Answer each topic in a separate booklet. Clearly write the topic letter on the back of each booklet in big digits AND fill in the two boxes below

Write your answers in the *back* of the answer booklet. (You will need to flip the booklet over and turn it upside down). This lets us mark the booklet without seeing your name first.

Your answer must take no more than two pages. We will only mark the first two uncrossed-out pages of any answer (counting from the back of the book).

Make your answers as clear and easy to understand as possible. Provide diagrams and brief comments where necessary. Confusing, difficult to understand or illegible answers will lose marks.

I have chosen to answer topic and topic
Each topic is worth 20 marks.

Topic A

Topic B

Topic C

Topic D

Topic E

Topic F

Topic G

Topic H

Topic I

Topic J

Topic K