INSTRUCTIONS TO CANDIDATES:

(1) Time allowed: 1 hour + 30 minutes (there is no separate reading time).
(2) Total number of pages: 18 (including this cover page).
(3) Total number of questions: 5. You must answer all questions. Questions are of different value.
   Marks are as indicated. This examination makes up 20 marks of your final mark for this course.
(4) Tear off the last page of this booklet and provide anonymous feedback to receive 0.5 BONUS mark. The exam marks will be capped at 20. Return the feedback page separately.
(5) You must write your answers on this paper in the space provided. Extra space is provided for rough work at the end of the booklet. No separate answer booklets will be provided.
(6) IMPORTANT: There are two versions of Question 5, one for COMP3331 (undergraduate) students and the other for COMP9331 (postgraduate) students. Please attempt the correct version. You may lose all marks for the question if you solve the incorrect version.
(7) If the question asks you to derive a result or perform some calculations, it is important for you to show us your intermediate steps and tell us the arguments that you have made to obtain the result. You need to note that both the intermediate steps and the arguments carry marks. Please note that we are not just interested in whether you can get the final numerical answer or conclusion right, but we are more interested to find out whether you understand the subject matter. We do that by looking at your intermediate steps and the arguments that you have made to obtain the answer. Thus, if you can show us the perfect intermediate steps and the in-between arguments but got the numerical values wrong for some reason, we will still award you marks for having understood the subject matter.
   If the question asks you to give an explanation, you should aim to give a succinct and to the point answer.
(8) This is a closed book exam. UNSW approved calculators are allowed.
(9) Write all answers in ink except where they are expressly required. Pencils may be used only for drawing, sketching or graphical work.
(10) For Questions 2 – 5, if you do not wish your answer for a question to be marked, write 0.5 SYMPATHY MARK PLEASE in the space provided for the question. If you do this you will be awarded 0.5 sympathy mark and your answer for that question will not be marked. Note that the sympathy mark is awarded for the entire question and not individual sub-questions.

GOOD LUCK AND MAY THE FORCE BE WITH YOU
Question 1 Hodge-Podge (6 marks: 1 mark for each question)

Write down your answer and a short explanation (where relevant) in the space provided in the exam paper below.

(a) The Socket Awakens

Answer and short explanation:

(b) The Socket Strikes Back

Answer and short explanation:

(c) Of cheaters and tyrants

Answer and short explanation:

(d) circle ALL that are correct

1. 42
2. 73
3. 121
4. 454
5. 4545

(e) circle ALL that are correct

1. DNS is the root of all problems.
2. How do you catch and Ether Bunny? With an Ethernet!
3. How did you like my HTTP 200 joke? It was OK
4. Serial jokes must be told bit by bit

(f) What’s in a sequence?

Answer and short explanation:
Question 2 (3 marks)
The revenge of Alice

Answer:

Question 3 (2 marks)
The selfish gene

Answer:

Question 4 (5 marks)
The window slides, and it slides and it slides, …. 

Answer:

Question 5 (4 marks)

SOLVE ONE OF THE FOLLOWING DEPENDING ON YOUR ENROLLMENT. YOU MAY RECEIVE ZERO MARKS IF YOU ATTEMPT THE INCORRECT VERSION.

COMP3331 (UNDERGRADUATE VERSION)

The little switch

COMP9331 (POSTGRADUATE VERSION)

The big switch

END OF EXAM – SEE LAST PAGE FOR BONUS 0.5 MARK
BONUS 0.5 MARK FOR FILLING THIS

NOTE: YOU CAN RECEIVE BONUS 0.5 MARK BY TEARINNG THIS PAGE AND PROVIDING FEEDBACK. HOWEVER, MAXIMUM MARKS WILL BE CAPPED AT 20 MARKS.

THIS FEEDBACK IS ANONYMOUS. DO NOT WRITE YOUR NAME. WE WILL AWARD YOU THE 0.5 MARK IF THIS PAGE IS TORN OFF FROM THIS BOOKLET.

List one thing you liked about this course and would like to see more of or see continued (any topic – lectures, labs, assignments, tutorials, topics covered or not covered, etc., etc.):

List one thing you would like to have changed or have improved about this course:

Any other comments that you may have regarding the course:

TEAR THIS PAGE AND RETURN IT SEPARATELY