

Student number:

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**The University of Melbourne**  
**School of Computing and Information Systems**  
**COMP90038 Algorithms and Complexity**  
**Semester 2 Assessment 2019**

**Reading Time:** 15 minutes

**Exam Duration:** 3 hours

**This paper has 36 pages, including this front page.**

**Identical Examination Papers:** None

**Common Content:** None

**Authorised Materials:**

None. This is a closed book exam. Electronic devices, including calculators and laptop computers are **not** permitted.

**Calculators:**

**No** calculators are permitted.

**Instructions to Invigilators:**

Students will provide answers in the exam paper itself. The exam paper must remain in the exam venue and must be returned to the examiner.

**Instructions to Students:**

This exam counts for 70% of the total assessment in the subject, 30% having been allocated to continuous assessment. There are 12 questions; all should be attempted. You may find some questions easier than others; allocate your time wisely. Marks are indicated for each question, adding to a total of 70.

Write your student number in the box (right-hand corner above) and write your answers in the spaces provided inside the paper. Only what you write in these spaces will be assessed. Use the flip sides of the pages for rough work. Pages 33 and 35 are overflow spaces, in case you need more writing space for some question. If you use page 33/35, make sure you leave a message about this from the page that overflowed. Make sure that your answers are *readable*. Any unreadable parts will be considered wrong.

**This paper should not be lodged with the University Library.**

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Examiners' use:												