

The University of Melbourne
Department of Mathematics and Statistics
Semester One Assessment 2008
620-201 Probability

Reading time: fifteen (15) minutes

Writing time: three (3) hours

This paper has nine (9) pages (including Appendix).

Authorised materials:

Hand-held calculators may be used.

Students are permitted to use one A4 sheet of notes (both sides).

Instructions to Invigilators:

This paper is to remain in the examination room.

Instructions to Students:

This paper has **eleven** (11) questions.

Attempt as many questions, or parts of questions, as you can. All answers will be marked and credit given for all parts of answers.

The total available marks for each part of each question are given in brackets after the question, and there is a total of 110 marks on the paper.

You are not allowed to use any statistical tables, other than those provided in this paper by MATLAB output. You may use the MATLAB output at the end of the Examination paper **FOR ANY QUESTION**.

Complete solutions should include **numerical** answers where appropriate.

Working and/or reasoning **must** be given to obtain full credit and answers should not be given simply as numbers. To obtain full credit, you must also include definitions, assumptions and plain language interpretations of your answers where appropriate.

This paper is to be lodged with the Baillieu Library