

Oxford University Final Honour Schools  
Trinity Term 2008

Mathematics and Statistics Part A:  
Second Notice to Candidates

- The First Notice to Candidates, which was sent to you in January, can be found on the web at

[http://www.stats.ox.ac.uk/current\\_students/bammath/examinations](http://www.stats.ox.ac.uk/current_students/bammath/examinations)

- The examination timetable has now been published and candidates will be sent a copy of their individual timetable. Note that examinations will be held in week 9, Monday 16<sup>th</sup> June to Thursday 19<sup>th</sup> June 2008, Ewert House, Ewert Place, Summertown. Papers commence at 9.30am.
- This notice is principally concerned with what you should, and should not, bring to the examination, and with arrangements at Ewert House. Note in particular that: **You must bring your University Card to all the examinations, and you must display it on your desk with the photo showing.**

J. L. Marchini  
Chairman of Part A Examiners  
Department of Statistics  
May 15th 2008

cc Senior Maths Tutors  
Senior Tutors

## Part A 2008 Mathematics and Statistics

### University cards, calculators, tables and mobile phones

An important University requirement is that: **You must bring your University Card to all examinations, and you must display it on your desk with the photo showing.**

Neither calculators nor statistical or other tables are permitted in these examinations.

Mobile phones are not permitted inside the examination room.

### Handing-in of Papers in Part A

Some of this material was contained in the First Circular.

On paper AC1 there are three sections each containing three questions. You should attempt all **nine** questions. **Use a different booklet for each section** and start a new page for each question. Using the treasury tags provided, make a separate bundle from the answers to each section, and **hand in three separate bundles**. Your candidate number must be written on the front page of each answer booklet and be clearly legible.

On paper AC2 there are three sections each containing three questions. You should attempt a maximum of **five** questions. Start a new booklet for each question. At the end of the examination make a separate bundle from the answers to each section, and **hand them in as separate bundles**. Your candidate number must be written on the front page of each answer booklet and be clearly legible. The best **four** answers make up the total raw mark for this paper.

The options papers AS1 and AS2 each contain questions arranged in 16 sections. Each section is labeled by a letter according to the following scheme:

|   |                        |   |                          |
|---|------------------------|---|--------------------------|
| A | Groups in action       | J | Electromagnetism         |
| B | Introduction to Fields | K | Fluid Dynamics and Waves |
| C | Number Theory          | M | Probability              |
| D | Integration            | O | Statistics               |
| E | Topology               | P | Numerical Analysis       |
| F | Multivariable Calculus | R | Graph Theory             |
| G | Calculus of Variations | S | Simulation               |
| H | Classical Mechanics    | T | Linear Programming       |

There will be 24 questions in total on paper AS1, 3 on Probability, 3 on Statistics, and otherwise 1 for each 8 lecture course and 2 for each 16 lecture course. Candidates may hand in answers to at most 10 questions, at least 5 of which should be on Probability and Statistics, and at least 4 of which should be on Options. The best 5 answers on Probability and Statistics, and the best 4 answers on other sections, will be counted towards the mark for this paper.

There will be 22 questions on paper AS2, 1 for each 8 lecture course and 2 for each 16 lecture course. Candidates may hand in answers to at most 5 questions, at least 2 of which should be on Probability and Statistics. The best 2 answers on Probability and Statistics, and the best 2 other

answers (which may include further answers on Probability and Statistics), will be counted towards the mark for this paper.

At the end of each examination, **make a separate bundle from the answers to each section**, and hand them in as separate bundles. Your candidate number must be written on the front page of each answer booklet and be clearly legible.

These details will be repeated in the Examination Hall.