Please read the following points carefully before proceeding!

1. Please note: Proctors are unable to respond to queries about the interpretation of exam questions. Do your best to answer exam questions as written.

2. You are allowed one 8’’ × 11’’ sheet of paper with handwritten notes on each side.

3. No calculators are allowed.

4. Please do not write in red.

5. Print your student number at the top of this page. Do not provide your name.

6. Explain your answers fully. The rule to use is that, if your answer could have been guessed correctly, then it needs at least some justification. It is possible that zero marks will be awarded for a correct answer which has with it no evidence of how it was obtained.

7. Answer all questions on the exam paper — any work not on the exam paper will not be graded. I have tried to ensure that you have enough space on the exam paper to answer each question, but do not feel as if your answer needs to fill out the available space in order to be correct!

8. Marks per question are shown in square brackets after the problem number. The total is 100 marks.

9. Check that your question paper has ?? pages.