

THE UNIVERSITY OF SYDNEY  
FACULTY OF SCIENCE

MATH2068 and MATH2988

## Number Theory and Cryptography

November, 2011

Lecturer: R. B. Howlett

Time allowed: two hours

**The question paper must not be removed from the  
examination room**

*No notes or books are to be taken into the examination room.  
Only approved non-programmable calculators are allowed.*

*The MATH2068 paper has five questions.  
The MATH2988 paper has one extra question (on the back page).  
The questions are of equal value.*

**Question 6 is for MATH2988 only.**