

MAT3

**MATHEMATICAL TRIPOS**      **Part III**

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Monday 3 June 2024    1:30 pm to 4:30 pm

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**PAPER 101**

**COMMUTATIVE ALGEBRA**

**Before you begin please read these instructions carefully**

Candidates have **THREE HOURS** to complete the written examination.

Attempt no more than **FOUR** questions.

There are **FIVE** questions in total.

The questions carry equal weight.

The term *ring* stands for a commutative unital ring, and  
the term *module* stands for a module over such a ring.

**STATIONERY REQUIREMENTS**

Cover sheet  
Treasury tag  
Script paper  
Rough paper

**SPECIAL REQUIREMENTS**

None

<p><b>You may not start to read the questions printed on the subsequent pages until instructed to do so by the Invigilator.</b></p>
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