

MAT3

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

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Tuesday 9 June 2026 2:00pm to 4:00pm

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**PAPER 145**

**ALGEBRAIC METHODS IN COMBINATORICS**

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

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

Attempt no more than **FOUR** questions.

There are **FIVE** questions in total.

The questions carry equal weight.

**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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