

MAT3

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

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Monday 10 June 2024    9:00 am to 11:00 am

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**PAPER 343**

**QUANTUM ENTANGLEMENT IN MANY-BODY PHYSICS**

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

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

Attempt no more than **THREE** questions.

There are **FOUR** 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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