

MAT3

MATHEMATICAL TRIPOS **Part III**

Wednesday 11 June 2025 1:30 pm to 3:30 pm

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 REQUIREMENTSCover sheet
Treasury tag
Script paper
Rough paper**SPECIAL REQUIREMENTS**

None

You may not start to read the questions printed on the subsequent pages until instructed to do so by the Invigilator.
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