

MAT3

MATHEMATICAL TRIPOS**Part III**Thursday 12 June 2025 9:00 am to 11:00 am

PAPER 323**QUANTUM INFORMATION THEORY****Before you begin please read these instructions carefully**

Candidates have TWO HOURS to complete the written examination.

Attempt **Question 1** and **TWO** other 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>You may not start to read the questions printed on the subsequent pages until instructed to do so by the Invigilator.</p>
