

MAT3

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

---

Thursday 6 June 2024 9:00 am to 11:00 am

---

**PAPER 324**

**QUANTUM COMPUTATION**

**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

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