

MAT3

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

---

Wednesday 11 June 2025 1:30 pm to 4:30 pm

---

**PAPER 311****BLACK HOLES**

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

Candidates have **THREE 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>
---