

MAT3

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

---

Monday 9 June 2025 9:00 am to 12:00 pm

---

**PAPER 302****SYMMETRIES, FIELDS AND PARTICLES****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

<b>You may not start to read the questions printed on the subsequent pages until instructed to do so by the Invigilator.</b>
--