

MAT3

MATHEMATICAL TRIPOS **Part III**

Thursday, 1 June, 2023 9:00 am to 11:00 am

PAPER 122

EXTREMAL AND PROBABILISTIC COMBINATORICS

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.**