

MAT3

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

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Thursday, 8 June, 2023    1:30 pm to 3:30 pm

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**PAPER 335**

**DIRECT AND INVERSE SCATTERING OF WAVES**

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

Candidates have **TWO HOURS** to complete the written examination.

Attempt no more than **TWO** questions.

There are **THREE** 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.**