

MAT3

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

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Thursday 12 June 2025    1:30 pm to 4:30 pm

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**PAPER 304****ADVANCED QUANTUM FIELD THEORY****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>
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