

UNIVERSITY OF CAMBRIDGE

NATURAL SCIENCES TRIPOS: Part III Physics MASTER OF ADVANCED STUDY IN PHYSICS

NST3PHY MAPY

19 January 2023, 10.00-12.00

MAJOR TOPICS Paper 1/TQM (Theories of Quantum Matter)

Answer two questions only. $\hbar = 1$ throughout this paper.

The approximate number of marks allocated to each part of a question is indicated in the right-hand margin where appropriate.

The paper contains 4 sides including this one and is accompanied by a book giving values of constants and containing mathematical formulae which you may quote without proof.

You should use a separate Answer Book for each question.

STATIONERY REQUIREMENTS
SPECIAL REQUIREMENTS
linear graph paper
Mathematical Formulae Handbook
Rough workpad
Approved calculator allowed

You may not start to read the questions printed on the subsequent pages of this question paper until instructed that you may do so by the Invigilator.

V8.4

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NATURAL SCIENCES TRIPOS: Part III Physics MASTER OF ADVANCED STUDY IN PHYSICS

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20 January 2022, 10.00-12.00

MAJOR TOPICS Paper 1/TQM (Theories of Quantum Matter)

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NATURAL SCIENCES TRIPOS: Part III Physics MASTER OF ADVANCED STUDY IN PHYSICS

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Thursday 21st January 2021, 10:00-12:00

MAJOR TOPICS Paper 1/TQM (Theories of Quantum Matter)

Answer two questions only. $\hbar = 1$ throughout this paper.

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NATURAL SCIENCES TRIPOS: Part III Physics MASTER OF ADVANCED STUDY IN PHYSICS

NST3PHY MAPY

January 2020

MAJOR TOPICS Paper 1/TQM (Theories of Quantum Matter)

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STATIONERY REQUIREMENTS

2 × 20-page answer books

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Draft: 25th January 2023

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NATURAL SCIENCES TRIPOS: Part III Physics MASTER OF ADVANCED STUDY IN PHYSICS

NST3PHY MAPY

Wednesday 16th January 2019

12.00 to 14.00

MAJOR TOPICS Paper 1/TQM (Theories of Quantum Matter)

Answer two questions only. $\hbar = 1$ throughout this paper.

The approximate number of marks allocated to each part of a question is indicated in the right-hand margin where appropriate.

The paper contains 11 sides including this one and is accompanied by a book giving values of constants and containing mathematical formulae which you may quote without proof.

You should use a separate Answer Book for each question.

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Draft: 9th November 2020

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NATURAL SCIENCES TRIPOS: Part III Physics MASTER OF ADVANCED STUDY IN PHYSICS

NST3PHY MAPY

Wednesday 17 January 2018 12.00 to 14.00

MAJOR TOPICS Paper 1/TQM (Theories of Quantum Matter)

Answer two questions only. $\hbar = 1$ throughout this paper.

The approximate number of marks allocated to each part of a question is indicated in the right-hand margin where appropriate.

The paper contains 10 sides including this one and is accompanied by a book giving values of constants and containing mathematical formulae which you may quote without proof.

You should use a separate Answer Book for each question.

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Draft: 11th June 2018

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NATURAL SCIENCES TRIPOS: Part III Physics MASTER OF ADVANCED STUDY IN PHYSICS

NST3PHY MAPY

Wednesday 18 January 2017 12.00 to 14.00

MAJOR TOPICS Paper 1/TQM (Theories of Quantum Matter)

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Draft: 30th January 2017