

IMPERIAL COLLEGE LONDON

DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING  
EXAMINATIONS 2022-2023

MSc and EEE/EIE PART IV: MEng and ACGI

**ADVANCED COMMUNICATION THEORY  
(Blackboard Closed-Book Examination)**

17<sup>th</sup> May 2023, 10:00 am (UK time)

Time allowed: 3:00 hours

**There are 36 questions on this paper.**

**Answer ALL questions.**

**Allocation of marks:**

- 8 questions: 1 marks per question
- 28 questions: 1.5 marks per question
- Maximum number of marks 50

*The following are provided:*

*A table of Fourier transforms  
A Gaussian Tail Function graph  
MATLAB*

Examiners responsible:

First Marker(s): Prof A. Manikas