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ELEMENTARY ENGINEERING

by

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PREFACE

This book is intended to supply under one cover a fairly comprehensive set of examples for the use of Engineering Students in the early part of their training. Most of the questions have been taken from examination papers which the writer has set for examinations under the auspices of the Admiralty, the War Office and the Oxford and Cambridge Schools Examination Board, the latter mainly in connection with special papers set for Oundle School. These authorities have kindly given leave to use such questions. Much of the work has inevitably been derived from the numerous examples that are current in the Cambridge University Engineering School.

The examples are intentionally very assorted with no kind of grouping, as it is wished to avoid any kind of hint as to the proper avenue of approach. A few of the less elementary questions have however been marked by a star.

No questions on Applied Mathematics have been included as this subject is dealt with fully in so many school text-books, but in view of the essential importance of Machine Drawing to all Engineering Students a few examples with their solutions have been appended, one or two very simple indeed and others which are slightly more advanced.

The answers in many cases have been worked out only to a degree of accuracy obtainable with a 10 inch slide-rule. It has been assumed that students are conversant with ordinary Engineering constants.

The leave of the Controller of His Majesty's Stationery Office has been obtained for the use of certain of the examples and diagrams.

D. P.

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