PREFACE

This volume now forms Book I of my 'Introduction to the Study of Physics,' meant for the Intermediate Course of Indian Universities.

In the treatment of the subject herein I have been guided in the main by the Intermediate Syllabus in Physics of the different Indian Universities. I have taken care, however, not to omit to insert elementary descriptions of some important phenomena or informations of a general character, such as Capillarity, Flying Machines, Molecular Motions in Gases, Liquids and Solids, etc.; articles dealing with these have been mostly marked with asterisks.

As for the size of the present treatise, which may appear to some to be rather big, I beg to note that in Part I which covers about half of the book, I have tried to give a systematic and clear exposition of the fundamental principles of Mechanics, which are so necessary in the study of Physics.

To make the book further useful, no pains have been spared in inserting a large number of experiments, printed in smaller types for ready distinction, numerous illustrations, and sets of
exercises, one at the end of each chapter, containing examples of a somewhat typical character as well as those set in the University Papers in the Intermediate Examination.

Advantage has been taken of a fresh edition of the book in adding some figures of general interest and in making slight alterations in the body of the book for the better elucidation of the subject treated.

I take this opportunity to acknowledge my indebtedness to the several elementary text-books on Physics available in the market.

My thanks are due to the Managing Proprietors of Bani Press, Calcutta for the interest they took in the printing of this book and for placing every facility in their press at my disposal.

Calcutta,
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Rajanikanta De