

**ELEMENTARY BOTANY,
THEORETICAL
AND PRACTICAL**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649570232

Elementary Botany, Theoretical and Practical by Henry Edmonds

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HENRY EDMONDS

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AND PRACTICAL**

ELEMENTARY BOTANY

LONDON : PRINTED BY
SPOTTISWOODE AND CO., NEW-STREET SQUARE
AND PARLIAMENT STREET

ELEMENTARY BOTANY

THEORETICAL AND PRACTICAL

A TEXT-BOOK DESIGNED PRIMARILY FOR STUDENTS OF SCIENCE CLASSES
CONNECTED WITH THE SCIENCE AND ART DEPARTMENT OF
THE COMMITTEE OF COUNCIL ON EDUCATION

BY

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LONDON

LONGMANS, GREEN, AND CO.

1882

191. k. 245

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PREFACE.

THE object of this text-book is as far as possible to cover the subject of Elementary Botany as provided in the syllabus of the elementary stage issued by the Science and Art Department, and at the same time to avoid being a mere cram work, but to give a general idea of the fundamental facts and principles of the science.

In many elementary works the greater part of the book is taken up with mere structural details, the Physiology of the Plants being relegated to a short chapter at the end. I have endeavoured, whilst tracing up the growth and development of the plant from the seed, to treat of the functions of each organ at the same time as its description.

Through the liberality of the publishers the book is well supplied with diagrams. It will not do, however, for the student to trust to these alone. No science can be properly studied from mere book-work, and this is especially true of such a science as Botany, which deals with various forms of natural objects. The student is strongly urged from the first to carefully examine specimens. A sharp penknife and a *simple lens*, which will only cost a few shillings, are all

Preface.

the apparatus required for dissecting and examining most flowers, and the commonest plants around us will well serve the student's purpose.

For some parts of the subject—as for instance the examination of Cellular Tissues—a microscope is needful. An excellent instrument can be obtained at any of the well-known makers for about five or six pounds.

The student should also especially accustom himself to writing out descriptions of plants according to the model given at the close of the book.

H. EDMONDS.

BRIGHTON : *May* 1882.

CONTENTS.

CHAPTER	PAGE
I. INTRODUCTORY	1
II. STRUCTURE OF THE SEED	2
III. CELL STRUCTURE	5
IV. CELL GROWTH, SHAPE AND FORMATION	15
V. GERMINATION, ROOT GROWTH, STRUCTURE, AND FUNCTIONS	26
VI. STEM STRUCTURE AND FUNCTIONS	40
VII. BUDS AND RAMIFICATION	60
VIII. LEAF STRUCTURE AND FUNCTIONS	68
IX. BRACTS AND INFLORESCENCE	91
X. FLOWER STRUCTURE AND FUNCTIONS	100
XI. FRUIT AND SEED	136
XII. CLASSIFICATION	147
QUESTIONS	187
INDEX	193