

and Morphology, and then to illustrate that arrangement of the Vegetable Kingdom which is judged to be on the whole preferable, with a constant reference to the uses of the objects noticed, and to the connexion of certain properties with natural groups.

(Text-books—Gray's Botanical Text book; Lindley's Vegetable Kingdom.)

\* \* \* The Lectures are copiously illustrated by specimens, diagrams, drawings, and the use of the microscope.

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§ 11.

MINERALOGY AND GEOLOGY.

Professor—E. J. CHAPMAN, PH. D.

(Late Professor in University College, London.)

Subjects of Lectures :

SECOND YEAR.

I.—ORDINARY COURSE FOR GENERAL STUDENTS.

A. *Elements of Mineralogy.*

A, 1. The characters by which Minerals are distinguished from one another.

A, 2. The conditions of occurrence, composition, &c., of commonly occurring Minerals and Metallic Ores.

B. *Elements of Geology.*

B, 1. General principles of Geology. Structural characters, and classification of rock masses.

B, 2. A general outline of the Geological ages and epochs.

II.—ADDITIONAL COURSE FOR CANDIDATES FOR HONORS.

A. *The Rudiments of Crystallography.*

B. *The Rudiments of Palaeontology.*

C. *The elements of Physical Geography.*

(Books of reference—Dana's Manual of Mineralogy; Lyell's Elementary Manual; Chapman's Minerals and Geology of Canada; Johnstone's Elementary Atlas of Physical Phenomena, 8vo edition.)