§ 10.

CHEMISTRY.

Professor—H. H. CROFT, D.C.L.

Subjects of Lectures :

ELEMENTARY CHEMISTRY.

FIRST YEAR.

In this course, which is intended as an introduction to the science, particular attention will be paid to Chemical Affinity, Laws of Combining Proportions, Chemical Nomenclature, and Notation; Heat and Electricity being only slightly touched on. Especial attention will be directed to Inorganic Chemistry, and the Organic division given only in outline.

(*Text-books*—Chemistry in Chambers's Educational Course; Fownes's Elements.)

The course will be illustrated by experiments.

CHEMISTRY AND CHEMICAL PHYSICS.

SECOND YEAR.

Origin and history of Chemistry—connexion with other sciences.

General properties of matter—adhesion and cohesion—crystallization—specific gravity, &c.

Heat—expansion—thermometers—ventilation—change of state of aggregation—vapours.

Light—as a chemical agent—photography, &c.

Statical Electricity—Galvanism—Magnetism—Electro-Magnetism—Electric Telegraph—Thunder storms, &c.

Chemical affinity—nomenclature—law of equivalents—atomic theory.

Non-metallic elements—their combinations.

Vegetable Chemistry.

Animal Chemistry.

Application of Chemistry to Agriculture and to Physiology.