

§ 6.

CHEMISTRY.

Professor :—H. H. CROFT, D.C.L.

Subjects of Lectures.

First Year.

Chemical Physics, exclusive of Electricity. Inorganic Chemistry.

Text Books : Madan-Wilson's. Inorganic Chemistry—Fownes's, Vol. I.

Third Year.

CHEMISTRY AND CHEMICAL PHYSICS.

Origin and History of Chemistry—connection with other sciences.

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

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

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

Statical Electricity—Galvinism—Magnetism—Electro-magnetism—Induction.

Electric Telegraph, Thunder storms, &c.

Chemical elements, their combinations and laws regulating the same.

Organic Chemistry.

Application of Chemistry to Agriculture and to Physiology.

The Lectures will be illustrated by experiments, specimens, diagrams, and an extensive collection of modern and physical apparatus.

The usual applications of the science to manufactures, the arts, pharmacy and medicine, will be made particularly prominent. The detection of poisons and adulterations, as well as testing in general, will also be fully considered.

Text Books : Inorganic, Madan-Wilson ; Practical, Madan-Harcourt ; Organic, Roscoe, Wöhler ; Williamson's Chemistry ; Lardner's Handbook of Heat and Electricity, or Miller's Chemical Physics. *For Reference* : Fownes's or Naquet's Chemistry.