

# SYLLABUS

## GENERAL CHEMISTRY.

PROF. A. Y. SCOTT.

Lectures will be delivered on chemistry according to the time table (p. 8). The course will be so arranged that the student attending the full course of theoretical and practical work shall have acquired a satisfactory acquaintance with the science, and such as to enable him to do his post-graduate reading with that intelligence and relish which is the mark of a thorough student.

During the Junior Term, lectures will be confined to the non-metallic elements and their compounds, and during the Senior Term to the chemistry of the metals and of the carbon compounds.

Each element and compound will be treated as far as possible in the following way:—History and discovery, occurrence, preparation, properties (physical and chemical), impurities, tests, uses in the arts and medicine, etc. No compound will be taken up until the elements composing it have been touched upon.

The object being to render this course as practical as possible, some substances will be treated more in detail and fully illustrated by experiments on the lecture table.

Special attention will be paid to those substances used in the British Pharmacopœia.

## JUNIOR COURSE.

### NON-METALLIC ELEMENTS.

Historical introduction, relation of chemistry to physics, general principles of the science, such as laws of chemical combination, diffusion of gases, atomic theory, nomenclature, etc.

The elements and the compounds of these in following order:

Hydrogen, Chlorine, Bromine, Iodine, Fluorine, Oxygen, Sulphur, Selenium, Tellurium, Nitrogen, Phosphorus, Arsenic, Boron, Silicon, Carbon.

### PHYSICS.

Lectures will be given on Saturday morning throughout the Junior Course only and will embrace the following:

Introduction, definition and properties of matter, force, mechanical principles, phenomena of attraction, adhesion, cohesion, etc.