

CHEMISTRY.

GEO. B. SHAW, C.M., M.D.

The subject of this course will be considered in the following manner:—

PHYSICS—including Gravity, Light, Heat, Electricity, and **CHEMICAL PHILOSOPHY**. Instructions on these subjects will be given by experimental Lectures in the early part of the session.

INORGANIC CHEMISTRY—Comprising: (1.) The Laws of Chemical Combination. (2.) A description of the Physical and Chemical properties and the mode of preparation of the non-metallic elements of their compounds, illustrated by practical demonstrations. (3.) The Chemistry of the metals and of their most important compounds with tests for their detection, &c.

ORGANIC CHEMISTRY—These Lectures will comprise the consideration of: (1.) The composition and relation of the best defined group of organic bodies and the laws regulating their formation. (2.) The application of chemical principles to the arts and economic science. (3.) Medical Chemistry including Analysis and Toxicology.

Every afternoon, except Saturday, at 5 p.m.

Books necessary—Balfour Stewart's Science "Physics," Attfield's Chemistry, Wilson's "Inorganic Chemistry."

Books recommended—Miller's Elements of Chemistry.

PRACTICAL CHEMISTRY.

J. BAKER EDWARDS, Ph. D., D.C.L.

This course will be given during January, February, and March—two days a week—and will comprise a course of:

QUALITATIVE ANALYSIS, with special reference to detection of poisons and adulterations; the nature and reactions of **HEALTHY** and **MORBID URINE**.

The Microscopical and Chemical Examination of **URINARY DEPOSITS** and **CALCULI**.

The Spectroscopic Examination of **BLOOD**, **METALLIC BASES**, &c. Demonstrations will be given on the use of the Microscope.

Students will provide themselves with a set of apparatus which has been selected by the Professor, and may be obtained for the sum of five dollars; also a note book.

No experiments will be permitted in the Laboratory except those under the direction of the Professor and at the hours appointed.

Gentlemen who are not following other courses will be admitted to the Lectures and Laboratory on matriculation.

Wednesday and Saturday, from 3 to 5 p.m.

Books necessary—Chambers' "Practical Chemistry."

Books recommended—Carpenter on the Microscope; Lankester's Half Hours with the Microscope; Beale on the Microscope.

The course history, preparation on plan uses of all substances.

These substances black-board, cabinet of minerals.

Experiment to show the compared microscope.

The art of particular attention.

Poisons will well as their action.

Each substance.

1. Its Nature.

2. Its preparation.

3. Its uses.

These Medicines from the Mineral.

The Mineral.

tive basic elements systematic arrangement.

The concluding the products of.

Ethers, Chloroform.

Evening.

Books recommended

rod's Materia Medica the United States.

The museum of poeia, and plates.