ANATOMY.

Examiners—Drs. Sullivan and Dupuis.

(Answers to be as brief and pertinent as possible.)

1. Describle the Orbits, and name the bones entering into their formation.

2. Give the boundaries of the Posterior Mediastinum and the parts found in it.

3. Fully describe the Superior Carotid Triangle.

4. Describe the Knee Joint.

5. Give the Origin and Insertion, the Action and Nervous Supply of each of the following Muscles: Gluteus Maximus, Sartorius, Levator Ani, Peroneus Longus, Biceps Humeri, and Pterygoideus Externus.

6. Describe the situation of the Axillary Artery and its course in the various positions of the Arm and name its Branches.

7. Tell the origin, course and distribution of the Pneumogastric Nerve.

THEORETICAL CHEMISTRY.

Examiners—Dr. Fenwick and Prof. Dupuis.

1. Show in any way that elementary substances probably exist in molecules of two atoms each, and give any known exceptions.

2. Point out the principal peculiarities of the solution of (*a*) solids, (*b*) gases in water.

3. Explain carefully the effect upon moist air of (*a*) reducing the pressure without changing the temperature, (*b*) of reducing the temperature without altering the pressure.

4. The sun's rays consist of three kinds, viz.:—heat, light and actinic rays. Is this strictly correct? Why?

5. Explain fully the results of M. Bert's experiments upon condensed and rarefied air.

6. State and formulate the result, when:—

   (*a*) Copper is put into strong Nitric Acid.