

- 7—In a case of cleft palate how would you choose between treatment by Surgical operation, and a Mechanical appliance?

DENTAL HISTOLOGY.

PASS AND HONORS.

Examiner—L. Teskey, M.D., C.M., M.R.C.S. Eng

- *1—Describe the structure of the Enamel Organ.
- *2—Describe a dental tubule.
- *3—What is Nasmyth's Membrane, and from what is it developed?
- *4—State the Anatomical relation of the pulp to the Peridontal Membrane, and describe the structure of each.
- *5—What provisions are made for the maintenance of the nourishment of both Enamel and Dentine?
- *6—Describe the development of the common Enamel Organ, and the manner in which the special Enamel Organs are provided for all of the permanent teeth.

ANATOMY.

PASS AND HONORS

Examiner—Geo. M. Peters, M.B.

- *1—Describe the antrum of Highmore (maxillary Sinus).
- *2—Describe fully, and give the nervous supply of the muscles which elevate the lower jaw.
- *3—Describe the temporo-maxillary articulation.
- *4—Trace the course of the blood through a complete circulatory revolution, explaining briefly the mechanism of the valves of the heart. What are the peculiarities of the portal circulation?
- *5—Give the distribution of the superior maxillary, or second division of the fifth cranial nerve.

PHYSIOLOGY.

PASS AND HONORS.

Examiner—W. H. B. Aikins, M.D., L.R.C.P. Lond

- *1—Give the order of Eruption of the Temporary, and Permanent Teeth
- *2—Give the composition and uses of Saliva, Gastric-juice, and Bile.
- *3—Describe the changes which the Air and Blood undergo in Respiration
- *4—Describe the mechanism of Deglutition and Defaecation
- *5—Give the structure, and connections of the Valves of the Heart. What are their functions?
- *6—Give the immediate and remote effects of Division of the Trifacial nerve.

CHEMISTRY

PASS AND HONORS

Examiner—W. Theophilus Stuart, M.B.

- *1—What is meant by "polarization of the plate" in a galvanic cell, and what means are employed to prevent it?
- *2—Define the following terms: conduction and convection of heat, latent heat, refraction of light, magnetic poles.
- *3—Describe the preparation, properties, and uses of hydrogen dioxide.
- *4—Give another name for "laughing gas." Describe its preparation and properties
- *5—Give the structure of flame, and explain the difference between an oxidizing and a reducing flame.
- *6—Give the preparation and properties of chloroform. How may its purity be determined?
- *7—Give the formula of cellulose. From what is it obtained? How does the celluloid differ from it, and for what purpose is the latter used in dentistry?
- *8—Give qualitative tests for the normal constituents of saliva.