

University of Toronto.

ANNUAL EXAMINATIONS: 1875.

DEGREE OF M.B. AND PRIMARY.

PHYSIOLOGY.

Examiner: J. H. McCOLLUM, M.B.

1. Describe the structure of the lungs, giving a minute description of the air cells and of the blood vessels in these parts.

2. Give the histological relation of the red and colourless corpuscles; and the part which they respectively take in the vital phenomena of the blood.

3. Describe the structure of the stomach. Give the constituents of the gastric juice and the part it performs in the digestive process.

4. What effect would be produced on respiration by division of one pneumo-gastric? and what by simultaneous division of both?

5. Describe the formation of bone from cartilage, and state the means by which bone is nourished.

6. Describe the minute anatomy of the liver; how bile is secreted, its uses, and the quantity secreted by an adult in 24 hours; also give a short account of the circulation in this gland.

7. Give a general description of the sympathetic nervous system, and its functions.

8. Describe the mechanism of deglutition and vomiting, naming the structures which take part in each act.