

EXAMINATION PAPERS.

SESSION 1890-91.

PRIMARY EXAMINATION.

PHYSIOLOGY.

1. Give physiology of the act of swallowing, and along what nerves are the afferent and efferent impulses of deglutition conveyed?
2. Muscles of ordinary quiet inspiration and the different changes air undergoes in respiration?
3. Minute anatomy of liver lobule.
4. Effect of ligature of hepatic artery on secretion of bile, and why does bile not escape into intestines during fasting?
5. What tissues are developed from Epiblast, Mesoblast and Hypoblast?
6. Give action of pancreatic juice in digestion and names of its ferments.
7. What are the inorganic salts of the urine, and quantity of phosphoric and sulphuric acids daily excreted normally, and the origin of these acids?
8. Peculiarities of the circulation in different parts of the body.

MATERIA MEDICA AND THERAPEUTICS.

1. Give the composition, strength and doses of the following :
 - (a) Liquor arsenicalis.
 - (b) Pil ferri carbonatis.
 - (c) Pil plumbi cum opio.
2. If the dose of a remedy given by the stomach is 1, what quantity is required to produce the same effect when given
 - (a) Epidermically?
 - (b) Hypodermically?
 - (c) By enema?
3. What are the physical characteristics of the nervous temperament, to what diseases are persons of this temperament predisposed, and what precautions should be taken in prescribing for them?
4. Explain the mode of action of salines as
 - (a) Purgatives.
 - (b) Diuretics.
 - (c) Diaphoretics.