

6. *Secretion of urine :*

(a) Different views as to the secretion of the solids and the water of the urine respectively. (b) The experimental evidence on which these views are founded.

7. *Fat in the mammal :* (a) How laid up. (b) Why so variable in quantity. (c) Source and formation. (d) Importance. (e) The grounds for your views in every case.

8. *Movement of the Iris :* (a) Muscular mechanisms. (b) Nervous mechanisms. (c) Experimental evidence on which your views of the latter are founded. (d) Difficulties to be met.

9. *The Cord is divided in a dog in the lower dorsal region :*

(a) The various immediate consequences. (b) The permanent ones. (c) The functions of the cord that remain finally intact. (d) Explanation of the above and the experimental demonstration of the same.

10 *Explain the origin of the following structures :* (a) Spinal cord and brain. (b) Amnion. (c) Allantois. (d) Heart. (e) Ovary. (f) Bladder. (g) Eye.

11. *A patient has the following symptoms :* (a) Sees double. (b) Ha. drooping of right upper eyelid. (c) One corner of mouth drawn up. (d) Tendency to inflammation of nasal mucous membrane. (e) Difficulty in articulation. Assuming these all to be due to nervous derangements, diagnose the case on purely physiological principles?

N.B. (1) Only six questions to be answered.

(2) In estimating the value of the answers to the above questions special attention will be paid to the *handling* of the facts and the *quality* of the work rather than to an enumeration of facts merely.

(3) The judicious use of diagrams will be considered of special importance.

MATERIA MEDICA AND THERAPEUTICS.

Examiner.....PROF. JAS. STEWART, M.D.

1. Name the drugs that influence the secretion of bile.

What practical applications can be made of agents possessing these properties?

2. Describe fully two or more methods by which the following drugs may be introduced into the circulation : Mercury, Iodine, Cod Liver Oil, Iron, and Arsenic.