

2. Discuss the part played by the exudate in inflammation. To what extent is it possible to distinguish between the reaction induced by microbic and by simple irritants?

3. Under what various conditions may hypertrophy be acquired? Exemplify in each instance.

4. How would you distinguish between adenoma and carcinoma? What courses may a carcinoma of the uterus go in order to involve the trachea?

5. State what you know concerning the causation of and the histological changes produced in fatty degeneration. Under what conditions may hyaline and glycogenic degenerations be developed?

6. What may be the results of blocking of a branch of the coronary artery? Under what conditions may such blocking be brought about?

7. What is meant by Cohnheim's theory? Is this theory wholly satisfactory? What other factors may be suggested in order to explain the origin of carcinomata?

8. Define the following terms:—(1) Brown induration of the lung; (2) cyanotic atrophy of the liver; (3) teleangiectatic fibroma; (4) pus; (5) white infarct; (6) necrobiosis; (7) phagocyte; (8) chloroma.

PUBLIC HEALTH AND PREVENTIVE MEDICINE.

Examiners.....PROF. CRAIK and RITTAN.

1. What are the necessary determinations in a chemical analysis of potable water? Compare the composition of an "upland surface water" with well water.

2. What are the advantages and dangers of the "water carriage system"? What constitutes good plumbing?

3. "Ground air" and "ground water." Describe. Note influence on health of localities. How contaminated? How purified?

4. How would you characterize the climate of (a) Egypt, (b) Madeira, (c) Denver, Colorado, (d) Atlantic City, (e) the Lower St. Lawrence. For what chronic diseases is each suited?

5. Two cases of small-pox, one fatal, occur in a boarding school where a few day scholars are also received; mention the necessary measures for preventing the spread of the disease. State in what way these would be modified had the disease been (a) diphtheria, (b) scarlatina, (c) cholera, (d) typhoid, (e) tuberculosis?

FOURTH YEAR EXAMINATIONS.

OBSTETRICS & DISEASES OF INFANTS.

Examiners.....PROF. J. C. CAMERON, M.D.

1. Moulding: What are its conditions, mechanism and advantages?

2. How would you manage the third stage of labor in a normal case? Give your reasons for the various methods of procedure.