

2. State exactly the physiological action on the heart and circulation of the following drugs :—chloral hydrate, nitroglycerine, strophanthus.

3. Compare the action of opium, pilocarpin and atropin on secretion.

4. What are the principal therapeutic measures at our disposal to effect diaphoresis. Write three illustrative prescriptions.

5. Name the principal stimulants to the respiratory centre; briefly contrast their action.

6. Contrast the action on the intestinal canal of aloes, senna, colocynth, hydrargyrum.

### MEDICAL JURISPRUDENCE.

*Examiner* ..... Prof. G. WILKINS.

1. Name four of the more important poisons which by external local application may cause dangerous symptoms! Give some of the more prominent symptoms caused by each, applied in this way.

2. What do you understand by the term "natural suffocation" with reference to child-birth! What are its causes! Post mortem appearances of death by suffocation of a child born alive!

3. Answer the following questions with reference to Rigor Mortis: Cause! Time of appearance! Duration! Conditions affecting its duration and times of appearance!

4. Describe the course of the symptoms in a severe burn causing death, say in 18 hours; three days; ten days and three weeks; also direct cause of death in each case!

### HYGIENE AND PUBLIC HEALTH.

*Examiners* ..... Prof. CRAIK.  
..... Prof. RUTAN.

1. What are the principal impurities of expired air; and which of them is the most deleterious!

2. How does ground air differ from atmospheric air; and how can it be kept out of houses!

3. What ill effects would be produced by a diet containing an excess (a) of fat, (b) of carbohydrates, (c) of albuminoids!

5. Mention a few of the best disinfectants, and describe the methods of fumigating a house with brimstone.

### GYNECOLOGY.

*Examiner* ..... Prof. W. GARDNER, M.D.

1. Vaginal discharges, their sources and characteristics.

(a) normal.

(b) abnormal.