

Royal College of Physicians of Edinburgh.

EXAMINATION FOR MEMBERSHIP.

9th and 10th OCTOBER 1900.

PUBLIC HEALTH.

1. In what circumstances can a Burial Ground be closed, and under what legal powers? How can these powers be applied? How may land for a Cemetery for a town of 3300 inhabitants be obtained, and what area is required? What considerations affect the choice of a site?

2. An inland town of 3300 inhabitants fills a hollow through which a stream passes, and is surrounded by agricultural land at a higher level. The town contains a dye-work, a tannery, and a paper mill, which can supply spare steam for town purposes. How may the town's sewage be removed and treated so as to avoid pollution of the stream? Discuss the application of Shone's system and of septic tank treatment to such a case.

3. What precautions are required in the use of steam for the disinfection of clothing and bedding? Describe two methods of disinfection which may be used for a room which has been occupied by a case of scarlet fever in an upper-class house, and one method for the disinfection of a working-class house after occupation by two fatal cases of pulmonary phthisis. Refer to experiments with disinfectants in support of the quantities and methods of application you recommend.

4. What sanitary precautions should be taken to prevent the spread of Enteric Fever by the agency of flies, in the case of an army operating, say, in South Africa? Name any other diseases propagated by insects. Explain fully how the insects convey the infection in each case, and describe the prophylactic measures to be adopted.