



First L. M. S. Examination.  
1891.

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## PHYSIOLOGY.

*Examiner*—MR. J. R. ADIE, M. B.

*The figures in the margin indicate full marks.*

1. Enumerate the different varieties of muscle tissue, stating generally where they are found. Describe each variety in detail, and contrast the mode of action of each. 140
2. Describe the structure of the glands of the stomach. Explain the action of their secretion on food, mentioning any experimental evidence in illustration. 140
3. What are Systole and Diastole? Describe the Heart-Cycle? What is Arterial tension, and what is its influence on the blood-flow? 140
4. Give a general description of the functions of the Liver. 140
5. Describe the structure of the Lens. What is "Accommodation," and what are the changes which take place in the eye in the performance of the act? 140

Written, 700 ; Oral, 300.

*N. B.*—Give diagrams wherever necessary throughout your paper.

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## ANATOMY.

*Examiner*—DR. K. McLEOD, F. R. C. S.

*The figures in the margin indicate full marks.*

1. Describe the superior extremity of the Tibia, and indicate accurately the place of insertion of the ligaments which are attached to it. 100
2. Give the origin, insertion, and relations, superficial and deep, of the Hyo-glossus muscle. 100
3. Point out the surface indications of the position of the following arteries:—(1) Common Carotid; (2) Radial; (3) External iliac; (4) Dorsalis pedis. 100
4. Describe fully the urinary bladder—its structure, position, relations, coverings, and attachments. 100

Written, 400 ; Oral, 400 ; Practical, 200.

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FIRST L. M. S. EXAMINATION.

## MATERIA MEDICA.

*Examiner*—RAI LALMADHAB MUKERJEE, BAHADUR.

*The figures in the margin indicate full marks.*

1. Describe the physiological action and therapeutic uses of Arsenic and Ipecacuanha, and name their pharmacopial preparations with their doses. 150
2. How is chloroform prepared, and what are the tests of its purity? Contrast its action and uses with those of Ether. 150
3. Give the officinal preparations of Iodine, and fully describe the action and uses of Iodine. 100
4. Write out in full prescriptions for an adult suffering from acute articular rheumatism, a cough mixture for a child two years old suffering from whooping cough, an antiseptic lotion and an effervescing draught. 100
5. Give the composition and doses of the following officinal preparations :— 100

Tinctura Chloroformi et Morphinæ.

Pulvis Glycyrrhizæ Compositus.

Pilula Rhei Composita.

Pilula Ferri Iodidi.

Mistura Ferri Aromatica.

Mistura Sennæ Composita.

Liquor Ferri Dialysatus.

Linimentum Sinapis Compositum.

Linimentum Potassii Iodidi cum Saponæ.

Decoctum Aloes Compositum.

Written, 600 ; Oral, 200 ; Practical, 200.