



First L.M.S. Examination.

1908.

PHYSIOLOGY.

FIRST HALF.

Examiner—DR. PRANKRISHNA ACHARYYA, M.A., M.B.

N.B.—*The questions are of equal value. Candidates are to try only two questions.*

The figures in the margin indicate full marks.

1. Describe the effects of the respiratory movements upon circulation—pulmonary and general. 125
2. What is Glycogen? How is it formed and consumed under normal circumstances? 125
3. Give an account of the uses of the bile and *succus entericus* in intestinal digestion. 125

SECOND HALF.

Examiner—CAPT. D. McCAY, M.B., I.M.S.

Only two questions to be answered. Each question is of the same value.

4. Write a careful note on nerve degeneration and nerve regeneration. What is Ritter-Vallis' Law? 125
5. Give a careful account of the nature of the changes that take place in the retina during vision. What do you know with regard to the development of Visual Impulses? 125
6. Describe the minute structure of cardiac muscle. State all you know regarding the significance of Purkinje's fibres. What is the effect of stimulation of heart muscle during actual systole? 125

ANATOMY.

Two questions only to be attempted in each Half.

Value of each question—125.

FIRST HALF.

Examiner—MAJOR C. R. STEVENS, M.D., F.R.C.S., I.M.S.

1. Describe the various meatus of the nose, and the openings connected with them.
2. Describe the boundaries and contents of the ischio-rectal fossa.
3. Describe the knee-joint.

SECOND HALF.

Examiner—ASSTT.-SURGEON JYOTISCHANDRA MUSTAPHI,
L.M.S.

4. Name the arteries which enter into the anastomosis round the scapula. Give their origin, distribution and method of anastomosis.
5. Describe the root of the left lung and its relations.
6. Describe the various venous sinus of the *dura mater*.

MATERIA MEDICA.

N.B.—Two questions of each Half to be answered.

The marks for each question are the same—150.

FIRST HALF.

Examiner—DR. HEMCHANDRA SEN, M.D.

1. Enumerate the B.P. preparations of Ammonium and its salts. Give the action and uses of *Liquor Ammoniacæ* and *Ammonii Benzoas*.
2. What effects can be produced on the action of the heart by drugs? Give a classified list of such drugs with doses.
3. Enumerate the Succi of the British Pharmacopœia. Give their doses and therapeutic uses. How would you prepare the succus of an Indian drug, e.g., *Datura Stramonium*?

SECOND HALF.

Examiner—LT.-COL. G. F. A. HARRIS, M.D., F.R.C.S.,
I.M.S.

4. Classify and give a list of drugs of the B.P., used for their purgative properties, with their appropriate doses. Prescribe a cholagogue purgative for removing habitual constipation in a child aged one year.



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5. What is an anthelmintic drug? Describe fully the action of Santonin.

6. Give a detailed account of the pharmacological action of *Aconite*. Name the B.P. preparations of this drug with doses.

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| Paper | .. | 600 marks. |
| Oral | .. | 200 ,, |
| Practical | .. | 200 ,, |