

- (d) Where do you find nonstriated muscle fibre.
- 2 Give structure and chemical composition of a red blood corpuscle and describe the most delicate test for blood.
- 3 (a) How much blood exists in the human body in proportion to body weight, (b) What conditions cause variation in amount present, (c) Give a method of estimating the quantity.
- 4 Give the uses of Fibrin.
- 5 Describe the method of secretion of Bile, (a) during fasting, (b) during digestion.
- 6 Describe the course of the tubuli uriniferi from the malpighian corpuscle, giving the variety of epithelium lining these tubes.
- 7 Describe the action of the auriculo-ventricular valves.
- 8 Name the membranes of the spinal cord and describe the Dura Mater.

#### ANATOMY.

- 1 Mention in their proper relation the bones forming the orbit.
- 2 Describe the shoulder joint and its relations.
- 3 Compare the foetal and adult circulation.
- 4 What is the course? and name the branches of communication of the facial nerve in the temporal bone.
- 5 Give the dissection necessary to expose the anterior triangular (perineal) ligament in the female.

#### HYGIENE.

- 1 MILK—(1) It's characters when rich and pure.  
(2) The usual adulterations and the means employed for their detection.  
(3) As a source of disease.
- 2 Discuss the various methods employed for the disposal of Sewage.
- 3 CHOLERA—Cause.  
—Manner of spread.  
—Steps to be taken for its prevention.
- 4 Duties of a Medical Officer of Health.
- 5 Under what conditions may water have a solvent action upon lead pipes?