

G 5273-B

Reg. No.....

Name.....

FIRST M.B.B.S. DEGREE EXAMINATION, AUGUST 2004

ANATOMY—Paper I

(Revised Scheme—2003 admissions onwards)

Maximum : 40 Marks

Time : 2 Hours and 40 Minutes

Answer Sections A-II and B in separate answer books.
Draw labelled diagram wherever necessary.

Section A-II

II. Write short notes on :

- (a) Mid palmar space. $3\frac{1}{2}$
- (b) Development of interventricular septum. $1\frac{1}{2}$
- (c) Inguinal lymph nodes. $2 \times 3\frac{1}{2}$

(3 × 5 = 15 marks)

Section B

III. Following a deep intramuscular injection in the gluteal region a ten year old boy developed foot drop. On enquiry it was found that the injection was given by an unskilled person and the site was not the safe quadrant. With your knowledge in anatomy answer the following questions :

- (a) Name the muscle pierced by the needle. Give its origins, insertions, nerve supply and actions. $2\frac{1}{2}$
- (b) Name the muscles lying deep to the above muscle, give their innervation and actions. 2
- (c) What is the reason for developing foot drop ? 2
- (d) Which is the safe quadrant for giving intramuscular injection ? 1

(3 + 4 + 2 + 1 = 10 marks)

IV. Short answer questions

- (a) Blood supply of a long bone. 2
- (b) Microscopic structure of thin skin. 2

(2 × 3 = 6 marks)

V. Write short notes on

- (a) Clavipectoral fascia. 2
- (b) Sex chromatin. 1

(2 × 2 = 4 marks)

VI. Draw a neat labelled diagram to show the heart and great vessels to the anterior wall of thorax.

(5 marks)