

**FIRST M.B.B.S. DEGREE EXAMINATION, APRIL 2005**  
**ANATOMY—Paper II**

Time : 2 Hours and 40 Minutes

Maximum : 40 Marks

*Answer Section A-II and Section B in separate answer-books*  
*Draw diagrams wherever necessary.*

## Section A-II



II. Write briefly on :

- (a) Parts, blood supply and development of pituitary glands.
- (b) Development of Diaphragm.
- (c) Ischiorectal fossa.

(3 × 5 = 15 marks)

## Section B

III. A 34 year old man was brought to the medical out-patient department with history of severe headache, fever and projectile vomiting. On examination patient had high temperature and he could not flex his neck. In order to rule out meningitis a lumbar puncture was done. With your knowledge in Anatomy answer the following questions :

- (a) Which is the vertebral level selected to do a lumbar puncture ?
- (b) How will you locate the correct number of vertebra ?
- (c) Name the structures pierced by the L.P. needle in order.
- (d) What is the vertebral level of the lower limit of the spinal medulla in new born and in the adult ? What is the reason for this difference ?
- (e) Describe the arterial supply of the spinal medulla.
- (f) Describe the development of the spinal cord.

(½ + ½ + 2 + 1 + 3 + 3 = 10 marks)

IV. Write short notes on :

- (a) Portasystemic Anastomoses.
- (b) Microscopic structure of ovary.

(2 × 3 = 6 marks)

V. Write short notes on :

- (a) Platysma.
- (b) Eustachian tube.

(2 × 2 = 4 marks)

VI. Draw a neat labelled diagram of the median section of Brain passing through the third ventricle to show its boundaries and recesses.

(5 marks)