

FIRST PROFESSIONAL M.B.B.S. DEGREE EXAMINATION, FEBRUARY 2011

ANATOMY—Paper II

(New Scheme)

Time : Three Hours

Maximum : 50 Marks

*Answer Sections A and B in separate answer-books.**Draw diagrams wherever necessary.**Question I should be answered first in the response sheet provided.*

Section A

- I. Multiple Choice Questions. (Separate sheet attached). (10 × ½ = 5 marks)
- II. A 25 years old woman had the complaint of swelling on the front of her neck. On examination, a solitary nodular swelling was found in the midline of neck. The swelling was moving with swallowing. Based on anatomical knowledge, answer the following questions :
- (a) Name the gland that causes the swelling.
 - (b) Give its parts and the closely related structures.
 - (c) Mention its arterial supply.
 - (d) Add a note on its development.
 - (e) Give the reason for the movement of the swelling with swallowing.
- (1 + 4 + 2 + 2 + 1 = 10 marks)
- III. Write briefly on :
- (a) Parts, surfaces and relations of urinary bladder.
 - (b) Blood supply and functional areas of medial surface of cerebral hemisphere.
- (2 × 5 = 10 marks)

Section B

- IV. Write short notes on :
- (a) Muscles of mastication.
 - (b) Microscopy of pancreas.
 - (c) Oblique muscles of eye ball.
 - (d) Superficial perineal pouch.
 - (e) Basilar artery.
- (5 × 3 = 15 marks)

Turn over

V. Write short notes :

- (a) Cleft lip.
- (b) Morrison's pouch.
- (c) Lumbar puncture.

(3 × 2 = 6 marks)

VI. Draw neat labelled diagrams of :

- (a) Cross-section of Pons at the lower level.
- (b) The structures forming stomach bed.

I. MULTIPLE CHOICE QUESTIONS

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Maximum : 5 Marks

Note.—(1) *Do not write anything on the question paper.*

(2) *Write your register number on the answer-sheet provided.*

(3) *Select the appropriate answer and encircle the alphabet against each question in the answer-sheet provided.*

(4) *In the answer-sheet enter the total number of your answers in the appropriate box provided.*

(5) *Each question carries $\frac{1}{2}$ mark.*

1. The submandibular duct has triple relations with the following nerve :

- | | |
|------------------------|-----------------------|
| (A) Hypoglossal. | (B) Lingual. |
| (C) Inferior alveolar. | (D) Glossopharyngeal. |

2. The mastoid antrum is closely related to the following venous sinus :

- | | |
|------------------------|-----------------|
| (A) Inferior petrosal. | (B) Transverse. |
| (C) Sigmoid. | (D) Cavernous. |

3. The efferent fibres of cremasteric reflex pass through the following nerve :

- | | |
|-------------------|----------------------|
| (A) Ilioinguinal. | (B) Iliohypogastric. |
| (C) Obturator. | (D) Genitofemoral. |

4. Taste buds are seen in relation to the following structures except :

- | | |
|------------------------|----------------------------|
| (A) Fungiform papilla. | (B) Circumvallate papilla. |
| (C) Filiform papilla. | (D) Folia linguae. |

5. Pectinate line is along the lower limit of :

- | | |
|------------------------|--------------------------|
| (A) Anal valves. | (B) Columns of Morgagni. |
| (C) Valves of Houston. | (D) Anal canal. |

6. Hepatocytes develop from :

- | | |
|-------------------------|--------------------------|
| (A) Septum transversum. | (B) Endoderm of foregut. |
| (C) Ventral mesentery. | (D) Neural crest cells. |

7. The part of fallopian tube where fertilization takes place :

- | | |
|-----------------|-------------------|
| (A) Intramural. | (B) Isthmus. |
| (C) Ampulla. | (D) Infundibulum. |

Turn over

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