

**FIRST PROFESSIONAL M.B.B.S. DEGREE EXAMINATION, AUGUST 2009****ANATOMY—Paper II**

(New Scheme)

[2008 Admissions]

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 55 year old woman with four children had complaints of something descending down into the pelvis and low back ache. On vaginal examination, it was seen that the external opening of cervix was found at the vaginal orifice. Based on your anatomical knowledge, answer the following questions.
- (a) name the organ that is affected and mention the probable condition affecting the organ.
  - (b) Name the parts of the organ and state its normal position.
  - (c) Name the supports of the organ.
  - (d) Give the blood supply of the organ.
  - (e) Mention the common causes that lead to the present condition in the above case.
- (1 + 2 + 3 + 2 + 2 = 10 marks)
- III. Write briefly on :
- (a) Boundaries of fourth ventricle.
  - (b) Anatomy and applied aspects of facial vein.

(2 × 5 = 10 marks)**Section B**

- IV. Write short notes on :
- (a) Functional segments of liver.
  - (b) Blood supply of anal canal.
  - (c) Lateral wall of nasal cavity.
  - (d) Relations and development of the tonsil.
  - (e) Microscopic structure of parotid gland.

(5 × 3 = 15 marks)

V. Write short notes :

- (a) Second pharyngeal arch.
- (b) Ciliary body.
- (c) Piamater of spinal cord.

(3 × 2 = 6 marks)

VI. Draw neat labelled diagrams of :

- (a) Horizontal section through the abdomen at the level of epiploic foramen.
- (b) Anterior relations of right kidney.

(2 × 2 = 4 marks)

## ANATOMY—Paper II

## I. MULTIPLE CHOICE QUESTIONS

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. Bleeding into the following layer of scalp causes 'black eye'.
 

(A) First.	(B) Second.
(C) Third.	(D) Fourth.
2. A surgical incision in the tympanic membrane is better placed in the postero-inferior quadrant to avoid injury to :
 

(A) Tympanic plexus.	(B) Carotico-tympanic nerve.
(C) Facial nerve.	(D) Chorda tympani nerve.
3. The part of peritoneal cavity related to the anterior surface of body of pancreas is :
 

(A) Lesser sac.	(B) Greater sac.
(C) Right hepatorenal; pouch.	(D) Paracolic space.
4. The hypertrophy of the following lobe of prostate usually causes urinary outflow :
 

(A) Anterior.	(B) Posterior.
(C) Median.	(D) Lateral.
5. The arterial supply to paracentral lobule is by :
 

(A) Anterior cerebral.	(B) Posterior cerebral.
(C) Middle cerebral.	(D) Basilar.
6. The last ligamentum denticulatum extends between the following spinal nerves :
 

(A) $T_{11}$ — $T_{12}$ .	(B) $T_{12}$ — $L_1$ .
(C) $L_1$ — $L_2$ .	(D) $L_2$ — $L_3$ .
7. The lateral angle of uterus is directly drained by the following lymph nodes.
 

(A) Obturator.	(B) Inguinal.
(C) Preaortic.	(D) External Iliac.

8. The wall of the urinary space is lined by the following type of epithelium :
- (A) Simple cuboidal. (B) Transitional.  
(C) Psuedostratified columnar. (D) Simple squamous.
9. Brunner's glands are present in the following layer of the duodenal wall :
- (A) Epithelium. (B) Lamina propria.  
(C) Submucosa. (D) Muscularis externa.
10. In a facial nerve lesion with loss of lacrimation and loss of secretion of palatine glands, the site of lesion is :
- (A) On the face. (B) At the stylo-mastoid foramen.  
(C) In the facial canal. (D) In the internal acoustic meatus.

(10 × ½ = 5 marks)