



UNIVERSITY OF JAFFNA, SRILANKA
FIRST EXAMINATION FOR MEDICAL DEGREES – APRIL 2012
ANATOMY - PAPER II

Date : 30.04.2012

Time : 3 hours

Answer all TEN questions

Answer EACH PART in separate answer book

Part A

1.
 - 1.1 Describe the peritoneal reflections of the uterus (20 Marks)
 - 1.2 List the factors that stabilize the uterus in position (35 Marks)
 - 1.3 Write briefly the arterial blood supply of uterus (15 Marks)
 - 1.4 Describe the development of uterus and its abnormalities (30 Marks)

2.
 - 2.1 List the gross anatomical differences between jejunum and ileum (40 Marks)
 - 2.2 Name the parts of small and large intestines which are retroperitoneal (25 Marks)
 - 2.3 Describe the microscopic anatomy of fundic stomach (35 marks)

3. An adult male was admitted to the hospital with a fracture of the surgical neck of the humerus
 - 3.1 Name the nerve that is likely to be damaged in this fracture (10 Marks)
 - 3.2 Describe the course of the nerve mentioned in 3.1 (45 Marks)
 - 3.3 Describe the tests performed to assess the integrity of the structure mentioned in 3.1 (25 Marks)
 - 3.4 Name two other conditions that will lead to damage of the structure mentioned in 3.1 (20 Marks)

4. Regarding the venous drainage of the lower limb
 - 4.1 Describe the course of great saphenous vein (30 Marks)
 - 4.2 Surface mark the sapheno femoral junction (10 Marks)
 - 4.3 Name the tributaries of 4.1 (20 Marks)
 - 4.4 Describe the perforating veins (20 Marks)
 - 4.5 Discuss the importance of soleus venous pump (20 Marks)

5. Write notes on
 - 5.1 Blood supply of suprarenal gland (35 marks)
 - 5.2 Structures or organs which are palpable in the rectal examination on a healthy adult male (35 marks)
 - 5.3 Methods to prevent the birth defects (30 marks)

6. Regarding the lungs and pleura
- 6.1 Surface mark the left parietal pleura (20 marks)
- 6.2 List the structures which pass through the hilum of the left lung in the order (10 marks)
- 6.3 Write the bronchopulmonary segments in the right lung (20 marks)
- 6.4 Write short notes on the oblique fissure (20 marks)
- 6.5 Mention the structures that make impression on mediastinal surface of left lung (30 marks)

Part B

- 7.
- 7.1 Mention the skin incision used to explore the submandibular gland (5 Marks)
- 7.2 Give the reason for the above incision (15 Marks)
- 7.3 Briefly discuss the gross anatomy of submandibular gland and its duct (50 Marks)
- 7.4 Give three anatomical reasons for the higher incidence of stone formation in submandibular gland (30 Marks)
- 8.
- 8.1 What is pericardium? (15 Marks)
- 8.2 Briefly discuss the blood supply of the heart (60 Marks)
- 8.3 Briefly describe the histology of myocardium (25 Marks)
- 9.
- 9.1 Mention the anatomical defects through which following hernias can occur and mention the anatomical boundaries of the defects
- 9.1.1 Direct inguinal hernia (15 Marks)
- 9.1.2 Indirect inguinal hernia (15 Marks)
- 9.1.3 Femoral hernia (15 Marks)
- 9.2 Briefly describe the gross anatomy of inguinal canal (35 Marks)
- 9.3 Enumerate the layers of the rectus sheath (20 Marks)

Part C

- 10.
- 10.1 Draw and label a diagram of the transverse section of the midbrain at the level of the inferior colliculus (30 Marks)
- 10.2 Describe the origin, course and distribution of trochlear nerve (45 Marks)
- 10.3 Discuss the anatomical basis of the clinical manifestations of a trochlear nerve lesion (25 Marks)