

## Anatomy Examination

### Previous Anatomy Examination Papers 2001 – 2009

#### May 2009

##### Question 1 - Images

##### Question 2

- a) Describe the contents and boundaries of the left parotid gland. (3 marks)
- b) Describe the vessels forming the arterial circle of Willis and the arteries from which they arise. (2 marks)
- c) Describe the flow of CSF through the cerebral ventricular system (include spinal canal). (3 marks)
- d) Describe the contents of the left cavernous sinus. (2 marks)

##### Question 3

- a) Describe the lymphatic drainage of the oesophagus. (2 marks)
- b) Describe the course and relations the trachea. (3 marks)
- c) Describe the microscopic appearances (ie tissue types) of a bronchus, a bronchiole and lung alveolus. (3 marks)
- d) Describe the arterial supply and venous drainage of the left breast. (2 marks)

**Question 4**

- a) Describe the macroscopic and microscopic structure of the stomach. (3 marks)
- b) Describe the portal venous system. (2 marks)
- c) Describe the lymphatic drainage of the rectum. (2 marks)
- d) Describe the course and relations of the left ureter in the male. (3 marks)

**Question 5**

- a) Describe the macroscopic structure (include zonal anatomy) and the microscopic appearance of the prostate. (3 marks)
- b) Draw a cross sectional diagram showing the contents of the right scrotum. Label each structure. (3 marks)
- c) Draw the anterior view of a female bony pelvis. Label all bones, joints, foramina and bony landmarks. (2 marks)
- d) Describe the microscopic appearances of the stages of development of the female ovum and follicle. (2 marks)

**Question 6**

- a) Describe the lymphatic drainage of the right lower limb. (2 marks)
- b) Describe the venous drainage of the left upper limb. (2 marks)
- c) Describe the structure, course and relations of the right brachial plexus. (3 marks)
- d) Describe the location, boundaries and contents of the left male inguinal canal. (3 marks)

## September 2008

### Question 1 - Images

#### Question 2

- a) Describe the boundaries and relations of the left tonsil. (2 marks)
- b) Describe the macroscopic and microscopic structure of the right parotid gland. (3 marks)
- c) Describe the course of the left 6<sup>th</sup> cranial nerve (abducens). (2 marks)
- d) Describe the lymph node stations of the right neck. (3 marks)

#### Question 3

- a) Describe the macroscopic and microscopic structure of the left breast. (3 marks)
- b) Describe the lymphatic drainage of the right lung. Include the mediastinal lymph node stations in your answer. (2 marks)
- c) List the branches of the thoracic aorta. (1 mark)
- d) Describe the relations of the superior vena cava. (2 marks)
- e) Describe the course of the left recurrent laryngeal nerve. (2 marks)

**Question 4**

- a) Describe the course and relations of the common bile duct. (3 marks)
- b) Describe the arterial supply and venous drainage of the colon (from the caecum to the sigmoid colon). (2 marks)
- c) Describe the macroscopic and microscopic appearance of the right adrenal gland. (3 marks)
- d) Describe the lymphatic drainage of the stomach. (2 marks)

**Question 5**

- a) Describe the course and relations of the right ureter in the female. (3 marks)
- b) Describe the musculature of the anus and its innervation. (2 marks)
- c) Describe the macroscopic and microscopic appearance of the left testis. (3 marks)
- d) Describe the arterial supply and venous drainage of the prostate. (2 marks)

**Question 6**

- a) Describe the content and boundaries of the right femoral triangle. (3 marks)
- b) Describe the lymphatic drainage of the left upper limb. Include the major nodal stations of the limb in your answer. (3 marks)
- c) Describe the venous drainage of the right lower limb. (2 marks)
- d) Describe the macroscopic and microscopic features of a lymph node. (2 marks)

## May 2008

### Question 1 - Images

#### Question 2

- a) Describe the location and relations of the optic chiasm. (2 marks)
- b) Describe the lymphatic drainage of all parts of the tongue. (2 marks)
- c) Describe the course of the right facial nerve and list its major branches. (3 marks)
- d) Describe the macroscopic structure of the larynx. (3 marks)

#### Question 3

- a) Describe the arterial supply and venous drainage of the right breast. (2 marks)
- b) Describe the course and relations of the left recurrent laryngeal nerve. (3 marks)
- c) Describe the macroscopic and microscopic structures of the trachea. (2 marks)
- d) Describe the course of the thoracic duct on the left (also known as the left lymphatic duct) (1 marks)
- e) Describe the lymphatic drainage of the thyroid gland. (2 marks)

#### Question 4

- a) Describe the relations of the left kidney. (2 marks)
- b) Describe the macroscopic features of the spleen. (2 marks)
- c) Describe the course and relations of the inferior vena cava. (4 marks)
- d) Describe the lymphatic drainage of the large bowel (from caecum to sigmoid colon). (2 marks)

**Question 5**

- a) Describe the relations of the prostate. (2 marks)
- b) Describe the macroscopic and microscopic features of the ovary. (2 marks)
- c) Describe the arterial supply and venous drainage of the urinary bladder. (3 marks)
- d) Describe the lymphatic drainage of the rectum. (2 marks)
- e) List the contents of the scrotum. (1 mark)

**Question 6**

- a) Describe the borders and contents of the right axilla. (3 marks)
- b) Describe the arterial supply of the right upper limb. (2 marks)
- c) Describe the lymphatic drainage of the left lower limb. (2 marks)
- d) Describe the course of the left sciatic nerve and list its major branches. (3 marks)

**October 2007**

**Question 1 - Images**

**Question 2**

- a) Describe the macroscopic appearance and the function of the pituitary gland. (2 marks)
- b) Describe the relations of the left parotid gland. (3 marks)
- c) Describe the course of the right hypoglossal nerve. (3 marks)
- d) Describe the arterial supply and venous drainage of the thyroid gland. (2 marks)

**Question 3**

- a) Describe the lymphatic drainage of the right breast. (2 marks)
- b) Describe the relations of the superior vena cava. (2 marks)
- c) Describe the macroscopic and microscopic appearance of the oesophagus. (3 marks)
- d) Describe the arterial supply and venous drainage of the left (3 marks)

lung.

**Question 4**

- a) Describe the relations of the pancreas. (2 marks)
- b) Describe the macroscopic and microscopic appearance of the gallbladder. (3 marks)
- c) Describe the course of the left ureter in the female. (3 marks)
- d) Describe the lymphatic drainage of the stomach. (2 marks)

**Question 5**

- a) Describe the relations of the bladder in the male. (2 marks)
- b) Describe the macroscopic and microscopic appearance of the prostate. (3 marks)
- c) Describe the arterial supply and venous drainage of the ovaries, uterus and cervix. (3 marks)
- d) Describe the lymphatic drainage of the anus. (2 marks)

**Question 6**

- a) Describe the contents and give the relations of the left femoral triangle. (3 marks)
- b) Describe the arterial supply of the right upper limb. (3 marks)
- c) Draw labelled diagrams of the dermatomes of the left lower limb with anterior to posterior views. (1 mark)
- d) Describe the course and function of the right ulnar nerve. (3 marks)

**May 2007**

1. Images

**Question 2**

- a) Describe the relations and contents of the right cavernous sinus. (3 marks)
- b) Describe the arterial supply and venous drainage of the oral tongue. (3 marks)

- c) Describe macroscopic appearance of the nasopharynx. (2 marks)
- d) Describe the lymphatic drainage of the left tonsil. (2 marks)

**Question 3**

- a) Describe the lymphatic drainage and lymph node stations of the left lung (including mediastinum). (2 marks)
- b) Describe the macroscopic and microscopic appearance of the oesophagus. (3 marks)
- c) Describe the relations of the trachea. (2 marks)
- d) Describe the course and function of the right phrenic nerve. (3 marks)

**Question 4**

- a) Describe the macroscopic and microscopic appearance of the pancreas (3 marks)
- b) Describe the venous drainage of the small colon, large colon and rectum. (3 marks)
- c) List the branches of the abdominal aorta. (1 mark)
- d) Describe the arterial supply and venous drainage of the left kidney. (3 marks)

**Question 5**

- a) Describe the innervation of the bladder. (2 marks)
- b) Describe the relations of the prostate. (3 marks)
- c) Describe the lymphatic drainage of the vagina. (2 marks)
- d) Describe the macroscopic and microscopic appearance of the penis. (3 marks)

**Question 6**

- a) Describe the lymphatic drainage of the left breast. (2 marks)
- b) Describe the venous drainage of the right arm. (2 marks)
- c) Describe the macroscopic and microscopic appearance of a lymph node (3 marks)
- d) Describe the origin, course and relations of the right sciatic nerve. (3 marks)



October 2006

INSTRUCTIONS

- The exam is in two parts
  - The first part contains five (5) **images** with arrows pointing to structures. Write the names of the structures in the spaces provided on the question paper.
  - The second part contains five (5) **questions** about the anatomy of different regions. Each question has a number of sections.
- There are a total of SIX questions. Each of these six questions is worth 10 marks.
- Write your answers in the book provided. You may request additional answer books from the invigilator.
- All questions are to be attempted.
- Answers should be given from an anatomy viewpoint.
- Hand **all** papers to invigilator, no papers are allowed to be taken from the exam room. THIS INCLUDES EXAM PAPERS

1. Images

2.

- a. List the relations of the nasopharynx. *(2 marks)*
- b. List the nerves innervating the tongue. *(1 mark)*
- c. List the contents of the left cavernous sinus and describe their relations within the sinus. *(2 marks)*
- d. Describe the lymphatic drainage of the thyroid gland. *(2 marks)*
- e. List the cartilages of the larynx. *(3 marks)*

3.

- a. Describe the macroscopic features of the oesophagus. *(2 marks)*
- b. Describe the lymphatic drainage of the medial half of the right breast. *(2 marks)*
- c. Describe the relations of the superior vena cava. *(2 marks)*
- d. Describe the course of the left recurrent laryngeal nerve. *(2 marks)*
- e. List the arteries that arise from the thoracic aorta within the chest. *(2 marks)*

4.

Describe:

- a. the relations of the right kidney. *(2.5 marks)*
- b. the arterial supply and venous drainage of the spleen. *(2.5 marks)*
- c. the lymphatic drainage of the stomach. *(2.5 marks)*
- d. the sympathetic and parasympathetic innervation of the abdominal organs. *(2.5 marks)*

5.

Describe:

- a. the lymphatic drainage of the cervix. *(2 marks)*
- b. the course and relations of the right female ureter. *(2 marks)*

- c. the macroscopic features of the urinary bladder. (2 marks)
  - d. the innervation of the anus. (2 marks)
  - e. the embryological development of the left testis. (2 marks)
- 6.
- a. Write brief notes on the lymphatic drainage of left upper limb. (2 marks)
  - b. Write brief notes on the contents of the right male inguinal canal. (2 marks)
  - c. Write brief notes on the venous drainage of the right upper limb. (2 marks)
  - d. Draw a labelled diagram of the dermatomes of the right upper limb. (1 mark)
  - e. Write brief notes on the arterial supply of the left lower limb. (3 marks)

### May 2006

Instructions for this examination:

Time Allowed: 2 hours

4 COMPULSORY essay questions AND

1 COMPULSORY question comprising 2 or more sectional radiographs from which the candidate will be expected to name the structures indicated.

- There are a total of 5 questions.
  - All questions are to be attempted.
  - All questions are of equal value.
  - Clearly labelled diagrams may be drawn to illustrate answers in questions 2-5, but their use is optional.
1. Please refer to the two images provided with this paper. Name the organs or structures identified in the picture which correspond to the following letters.  
Figure 1  
Figure 2
  2. Give an account of the stomach.
  3. Give an account of the right fifth cranial nerve and its major branches.
  4. Write an account of the right supraclavicular triangle (also known as the right supraclavicular fossa).
  5. Give an account of the uterus.

### August 2005

1. Please refer to the two images provided with this paper. Name the organs or structures identified in the picture which correspond to the following letters.  
Figure 1  
Figure 2
2. Write an account of the left tonsil.
3. Write an account of the right supraclavicular fossa (also known as the right supraclavicular triangle).
4. Write an account of the left kidney.

5. Write an account of the anus.

#### February 2005

1. Please refer to the two images provided with this paper. Name the organs or structures identified in the picture which corresponds to the following letters.  
Figure 1 (a) – MRI head  
Figure 1 (b) – CT chest
2. Give an account of the thymus.
3. Give an account of the maxillary sinus.
4. Give an account of the left ureter.
5. Give an account of the cervix

#### August 2004

1. Please refer to the two images provided with this paper. Name the organs or structures identified in the picture which corresponds to the following letters.  
Figure 1 (a) – female pelvis  
Figure 1 (b) – neck
2. Give an account of the orbit.
3. Give an account of the Mediastinal lymph nodes.
4. Give an account of the Inferior Vena Cava
5. Give an account of the Uterine Cervix

#### February 2004

1. Please refer to the two images provided with this paper. Indicate the number which corresponds to each anatomical feature listed.  
Figure 1 (a) – CT scan Thorax  
Figure 1 (b) – CT scan Abdomen
2. Give an account of the penis
3. Give an account of the parotid salivary gland
4. Give an account of the left main bronchus
5. Give an account of the female breast

#### Examination Papers 2001– 2003

Time allowed: 2 hours

Instructions for each Examination:

Answer concisely FIVE questions in all. NO question is compulsory. Clearly labelled diagrams may be drawn to illustrate the answers, but their use is optional and not compulsory.

#### July 2003

1. Give an account of the pancreas.
2. Give an account of the thoracic duct.
3. Give an account of the lymphatic drainage of the lower limb.
4. Give an account of the optic chiasma.
5. Give an account of the tongue.
6. Give an account of the lymphatic drainage of the breast.
7. Give an account of the male urinary bladder.

**February 2003**

1. Give an account of the pituitary gland.
2. Give an account of the prostate.
3. Give an account of the maxillary sinus
4. Give an account of the axillary lymph nodes.
5. Give an account of the gallbladder.
6. Give an account of the uterus.
7. Give an account of the trachea.

**August 2002**

1. Give an account of the lymphatic drainage of the ano-rectum.
2. Give an account of the left kidney.
3. Give an account of the oesophagus.
4. Give an account of the maxillary sinus.
5. Give an account of the lymphatic chain/trunks of the head and neck.
6. Give an account of the female breast.
7. Give an account of the testis.

**February 2002**

1. Give an account of the lymphatic drainage of the stomach.
2. Give an account of the maxillary sinus.
3. Give an account of the uterus.
4. Give an account of the thoracic duct.
5. Give an account of the thyroid gland.
6. Give an account of the cavernous sinus.
7. Give an account of the spleen.

**August 2001**

1. Give an account of the lymph nodes and lymphatic chains/trunks of the head and neck.
2. Give an account of the pancreas.
3. Give an account of the testis.
4. Give an account of the female bladder.
5. Give an account of the seventh cranial nerve.
6. Give an account of the superior vena cava.
7. Give an account of the axillary lymph nodes.

**February 2001**

1. Give an account of the lymphatic drainage of the lower limb.
2. Give an account of the lymphatic drainage of the tongue.
3. Give an account of the ovary (development not required).
4. Give an account of the nasopharynx.
5. Give an account of the right kidney.
6. Give an account of the stomach.
7. Give an account of the female breast.