# Anatomy Paper 2 Exam

Monday, 10 September 2018

Please write your answers in the books provided, starting each question on a new page.



# Question 1:

Label the structures 1-16. Please be specific (each structure is worth 0.5 marks, total marks 8).

# Question 2: Portal venogram.

- a. Name structures A, B and C (1.5 marks)
- **b.** What is the structure labelled D and describe its origin. **(3.5 marks)**
- **c.** Describe the relations of structure D in the hepatoduodenal ligament. **(2 marks)**
- d. Describe the most common branching pattern of structure D in the liver. (5 marks)

# Question 3:

Name five (5) common or important variants of the coeliac artery (5 marks).

# Question 1:

Label the structures 1-16. Please be specific (each structure is worth 0.5 marks, total marks 8).

# Question 2:

- a. Name structures A and B (1 mark)
- b. What are the anterior, posterior and inferior boundaries of the transverse pericardial sinus? (3 marks)
- c. List the pericardial recesses that arise from the transverse pericardial sinus? (3 marks)
- d. What are the anterior, posterior and superior boundaries of the oblique pericardial sinus?
   (3 marks)
- e. Which pericardial recess arises from the oblique pericardial sinus? (0.5 marks)
- f. List the pericardial recesses that arise from the pericardial cavity proper? (1.5 marks)

# Question 3:

- a. Name three (3) common or important variants of the lung fissures. (3 marks)
- b. Name two (2) common or important variants of the major bronchi. (2 marks)

# Question 1:

Label the structures 1-16. Be specific (each structure is worth 0.5 marks, total marks 8).

# Question 2: Frontal selective thoracic spinal angiogram with the catheter in the left T12 branch.

- a. Name the vessel labeled A and what side and level does it typically arise from?(3 marks)
- b. Name the vessel labeled B. (1 mark)
- c. Which part of the spinal cord does the posterior spinal arteries supply? (1 mark)
- **d.** Describe the origin and course of the anterior spinal artery. **(2 marks)**
- e. Which arteries give rise to the segmental medullary and radicular arteries? (5 marks)

# Question 3:

Name five (5) common or important variants of lumbosacral segmentation (5 marks)

# Question 1:

Label the structures 1-16. Be specific (each structure is worth 0.5 marks, total marks 8)

# Question 2:

# Transverse T2 MR prostate.

- a. Name structures A and B (1 mark)
- b. Describe the zonal anatomy of the prostate gland. (8 marks)
- c. Describe the arterial supply of the prostate gland. (3 marks)

# Question 3:

Name five (5) common or important variants of the male gonads and their development. (5 marks)

# Question 1:

Label the structures 1-16. Please be specific (each structure is worth 0.5 marks, total marks 8).

# Question 2:

- a. Name structures A and B (1 mark)
- b. Describe the origin and termination of the structure B(4 marks)
- c. Name the branches of structure B (4 marks)
- d. Describe the relationship of structure B in the popliteal fossa compared to structure A (3 marks)

# Question 3:

a. Name five (5) common or important variants of the deep veins of the lower limb (5 marks).

# Question 1:

Label the structures 1-16. Be specific (each structure is worth 0.5 marks, total marks 8).

# Question 2:

- a. Name the foramen labelled A and what passes through it. (3 marks)
- b. Name the foramen labelled B and what passes through it. (3 marks)
- c. Name the foramen labelled C and what passes through it (4 marks)
- d. Name the foramen labelled D and what passes through it. (2 marks)
- e. What enters the skull with the internal carotid artery? (1 mark)

#### Question 3:

Name four (4) common or important variants of the persistent carotid-vertebrobasilar anastomoses (4 marks).

# Question 1:

Label the structures 1-16. Please be specific (each structure is worth 0.5 marks, total marks 8).

Question 2: Frontal right elbow radiograph in a young patient.

- a. List the average age at which each of the secondary ossification centers appear in order.(6 marks)
- b. List six structures that originate from the structure labeled A.(6 marks)

# Question 3:

Name five (5) common or important variants of the brachial artery ( **(5 marks)** 

# Question 1:

Label the structures 1-16. Be specific (each structure is worth 0.5 marks, total marks 8).

# Question 2:

- a. Name the structure labelled A and what is it composed of? (2 marks)
- Name the barium filled space labelled B and what are it's lateral and anterior borders. (3 marks)
- c. Which muscle of the pharynx causes the impression labelled C? (1 mark)
- d. Describe the innervation of the 3 constrictor muscles. (3 marks)
- e. What structure is located in the trachea-esophageal groove? Where does it originate? What is its function? (3 marks)

#### **Question 3:**

- a. Name three common or important variants of the thyroid gland (excluding vascular variants).(3 marks)
- **b.** Name two common or important variants of the parathyroid glands (excluding vascular variants). **(2 marks)**