# Anatomy Paper 2 Exam

Monday, 25 March 2019

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 (1/2 mark each).

# Question 2:

- a. What is the arterial supply of A? (0.5 marks)
- **b.** What is structure B and what is its arterial supply? **(3.5 marks)**
- **c.** What is structure C and what is its arterial supply? **(3.5 marks)**
- d. What is the distribution of descending and ascending fibers in this part of structure C.
   (3 marks)
- e. What is structure D and what is its arterial supply? (1.5 marks)

## Question 3:

List five (5) common or important variants of the calvarial sutures. (5 marks)

## Question 1:

Label the structures 1-16. Be specific. (1/2 mark each)

## Question 2:

- a. Name the structure labelled A and what is it composed of?) (2 marks)
- **b.** Name the barium filled space labelled B and what are its 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 tracheaesophageal groove? Where does it originate? What is its function? (3 marks)

# **Question 3:**

a. Name five (5) common or important variants of the paranasal sinuses. (5 marks)

## Question 1:

Label the structures 1-16. Be specific. (1/2 mark each)

#### Question 2:

- a. What type of vertebra is this? (1 mark)
- **b.** What is structure A and what does it form when several vertebrae articulate with each other? **(2 mark)**
- **c.** What is structure B and what articulates with it? **(2 marks)**
- d. What is structure C and what articulates with it? (2 marks)
- e. What is structure D and what articulates with it? (2 marks)
- f. Describe the differences between the spinous processes of the typical cervical, thoracic and lumbar vertebrae. (3 marks)

# Question 3:

- a) List the vertebral levels of the conus medullaris in the fetus, neonate and adult (3 marks)
- b) Which side and level does the artery of Adamkiewicz most commonly arise? (2 marks)

## Question 1:

Label the structures 1-16. Be specific. (1/2 mark each)

# Question 2:

- a. Name the pulmonary segments labeled 1 4. (4 marks)
- b. What vascular structures accompany segmental bronchi? (2 marks)
- **c.** Describe the relationships of the pulmonary vessels to the bronchi in the right and left hila. **(6 marks)**

## **Question 3:**

Name five (5) common or important variants of the coronary arteries (5 marks).

## Question 1:

Label the structures 1-16. Be specific. (1/2 mark each)

# Question 2

- a. What is structure A and what does it drain? (3 marks)
- b. What is structure B and what are its lateral and anterior relations? (2.5 marks)
- c. What is structure C where does it originate? (2 marks)
- d. What is structure D and what are its anterior and posterior relations. (4.5 marks)

# **Question 3:**

Name five (5) common or important variants of the pancreatic ducts. (5 marks)

## Question 1:

Label the structures 1-16. Be specific. (1/2 mark each)

## Question 2:

- a. Label structures A, B, C and D. (2 marks)
- b. List the 2 principle arteries that supply C and D and state their usual origins. (4 marks)
- c. List the contents of the spermatic cord. (4 marks)
- **d.** What is the female equivalent of the spermatic cord in the inguinal canal and where does it attach? **(2 marks)**

#### Question 3:

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

## Question 1:

Label the structures 1-16. Be specific. (1/2 mark each).

# Question 2

- a. Name structures A, B, C and D. (2 marks)
- b. What are the attachments, innervation and actions of muscle C? (6 marks)
- What are the other two muscles in the same muscular compartment as structure C? (2 marks)
- d. What is the innervation structure B? (1 mark)
- e. Where does structure D begin proximally? (1 mark)

#### Question 3:

Name five (5) common or important variants of the arterial supply of the hand. (5 marks)

## Question 1:

Label the structures 1-16. Be specific. (1/2 mark each)

# Question 2:

- a. What is structure A and which ligament attaches to it? (2 marks)
- b. What is structure B and which tendon attaches to it? (2 marks)
- c. What is structure C and which tendon attaches to it? (2 marks)
- d. What is structure D and which tendons attach to it? (2 marks)
- e. What is structure E and which tendon attaches to it? (2 marks)
- f. What is structure F and which tendon passes immediately medial to it? (2 marks)

## Question 3:

Name five (5) anatomical variants of popliteal artery branching (5 marks).