

The Royal Australian and New Zealand College of Radiologists[®]

e-Anatomy

Paper 2 Exam

Monday, 27 March 2017

Question 1:

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

Question 2:

- a) Identify the structure labelled A (1 mark)
- b) What are the attachments of A? (2 marks)
- c) What branches arise directly from the sciatic nerve? (3 marks)
- d) What is the innervation structure B? (1 mark)
- e) What spinal segments contribute to structure labelled C? (2 marks)
- f) Identify two variants of the sciatic nerve (2 marks)

Question 3:

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

Question 1:

Label the structures 1-16. Be specific. There is NO need to determine the vertebral level. (each structure is worth 0.5 marks, total marks 8)

Question 2

- a) Name the structures labelled A, B, C and D (2 marks)
- b) List the attachments of B (3 marks)
- c) Describe the function of B (2 marks)
- d) List the structures of the vertebral canal that have been removed to demonstrate the ligaments in the diagram (not including the spinal cord) (5 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 (each structure is worth 0.5 marks, total marks 8).

Question 2:

- a) What is the segment and lobe labelled A? (1 mark)
- b) What is the structure labelled B and what two structures does it separate? (1 mark)
- c) What is the structure labelled C and what two structures does it separate? (1 mark)
- d) What is the segment and lobe labelled D? (1 mark)
- e) Name the segments of the left upper lobe.(4 marks)
- f) Name the segments of the left lower lobe.(4 marks)

Question 3:

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

- a) Name the nerve labelled A of the lumbar plexus. What are its roots? Which branch has a motor distribution and which 2 muscles does it innervate? (3 marks)
- **b)** Name the nerve labelled B of the lumbar plexus. What are its roots? Where does it pass as it exits the pelvis? **(3 marks)**
- c) Name the nerve labelled C of the lumbar plexus. Which muscles does it innervate? (3 marks)
- d) Name the nerve labelled D of the lumbar plexus. What is its relationship to the common femoral artery in the femoral triangle? Name three muscles it innervates outside the quadriceps. (3 marks)

Question 3:

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

Question 1:

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

Question 2:

- a) What is the structure labelled A? Name three branches that arise from it to the right. What are the boundaries of its blood supply of the gut? (5.5 marks)
- b) What is the structure labelled B? (0.5 marks)
- c) What is the structure labelled C? Name three of its branches. (4 marks)
- d) What is the structure labelled D? What does it anastomose with? (2 marks)

Question 3:

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

Question 1:

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

Question 2:

- a) Identify structures A, B, C and D. (4 marks)
- b) Identify structure E. What structure crosses it medially? (2 marks)
- c) Identify structure F. Name the muscle that attaches to it and its nerve supply. (3 marks)
- d) Identify structure G. Name the muscle that attaches to it and its nerve supply. (3 marks)

Question 3:

Name five common variants of the Circle of Willis. (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 nerve labelled A. What space is it seen exiting? Which vessels exit with it? Which 2 muscles does it innervate? (4 marks)
- b) What structure is labelled B? What nerve innervates it? (2 marks)
- c) What space is labelled C? What vessels exit through it? (2 marks)
- d) What structure is labelled D? What is its distal attachment? (2 marks)
- e) Where does the axillary artery terminate? (1 mark)
- f) What structure divides the axillary artery into three parts? (1 mark)

Question 3:

Name five 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 structures labelled A, B, C and D. (2 marks)
- b) What are the contents of the parotid space? (9 marks)
- c) Which nerve supplies structure D? (1 mark)

Question 3:

List five osseous variants of the cervical spine. (5 marks)