

UNIVERSITY OF CAPE TOWN  
STELLENBOSCH UNIVERSITY  
Faculty of Health Sciences

MMed Emergency Medicine  
Primary examination

21 August 2008

**Anatomy**

0900 - 1200

**NO CALCULATORS AND/OR  
ELECTRONIC EQUIPMENT/AID WILL BE ALLOWED**

This paper consists of **FIVE** short answer questions, and **TWO** long answer questions. All questions are to be answered.

Each Short answer question is worth 15 marks; each Long answer question is worth 50 marks.

Answer each question in a separate answer book.

### Short answer questions

1. Write short notes on hip anatomy, with particular regard to the neurovascular supply and how this may be affected in a fracture of the femoral neck.
2. Briefly describe the anatomy of the diaphragm with specific reference to origin, attachment, openings and blood supply.
3. With the aid of a diagram, describe the visual pathway.
4. With the aid of a diagram, discuss the anatomy of the cavernous sinus.
5. a. Write short notes on the ossification centres in the elbow, and outline the approximate age of appearance of each of the bones.
- b. Write short notes on the structures at risk of injury around the elbow in a displaced, comminuted supracondylar fracture.

7

8

## Long answer questions

6. A young man presents to your emergency centre with multiple stab wounds to his back and flanks
- a. Describe the surface anatomy, position and relations of both kidneys 25
  - b. Discuss the course and relations of the ureters 10
  - c. Draw and label the blood supply of the large intestine 15
- 7.
- a. Describe the vascular supply to the lung; explain how this allows for compensation in the event of a pulmonary embolism 10
  - b. Describe the anatomy of the anterior abdominal wall, and how this impacts on the development of the different hernial orifices. 20
  - c. Briefly describe the compartments of the leg which may be compromised due to raised intracompartmental pressure after knee dislocation 20