

UNIVERSITY OF CAPE TOWN
STELLENBOSCH UNIVERSITY
Faculty of Health Sciences

MMed Emergency Medicine
Primary examination

13 March 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. Overall marks for this paper are allocated as follows:

Short answer questions: 33%

Long answer questions: 67%

All questions are marked as a percentage: if a question is in sections, the percentage allocated to that section is given as a guide to you.

All questions are to be answered.

Answer questions in the following books:

Question	Book
1-3	1
4-5	2
6	3
7	4

Short Answer Questions

1.
A child presents with a supracondylar fracture of the elbow. Briefly explain the anatomical and developmental aspects making this a common injury in childhood.
2.
Describe the clinical anatomy in terms of the important anatomical relationships to commonly injured structures in the root of the neck during a CVP placement into the internal jugular vein on the left side.
3.
Briefly discuss the blood supply to the uterus and explain how this may be clinically relevant during a post-partum haemorrhage or a ruptured ectopic pregnancy
4.
Draw and label a cross section through the mid thigh, making reference to all muscles, major blood vessels and nerves.
5.
Describe the relevant anatomy and landmarks for the performance of an ankle block to produce anaesthesia for the entire forefoot.

Long Answer Questions

6.

Describe the anatomy of the knee in terms of the following structures and in the light of the patient who presents with a totally unstable knee and a pulse deficit in the distal circulation:

- Bony structures
- Muscular and ligamentous attachments
- Vascular structures and their relationship to the other structures
- Mechanism by which the unstable knee would injure the vasculature

7.

Describe the anatomy of the cerebral arterial and venous vascular supply.