

UNIVERSITY OF CAPE TOWN  
STELLENBOSCH UNIVERSITY  
Faculty of Health Sciences

MMed Emergency Medicine  
Primary examination

21 August 2008

**Pathology**

1300 - 1600

**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 the development of acute necrotic calculous cholecystitis.
2. Briefly describe the pathology of acute cerebral infarction resulting from embolism; include common sites where emboli originate from.
3. Classify hypersensitivity responses, including types of hypersensitivity and mechanism of each type. Provide 2 clinical examples of each.
4. Discuss the pathophysiology of disseminated intravascular coagulopathy; include 5 precipitating clinical conditions and typical laboratory results.
5. Write short notes on the pathological basis of:
  - a. amniotic fluid embolism 5
  - b. fat embolism 5
  - c. arterial gas embolism 5

### Long answer questions

6. Discuss wound healing in both skin and bone. In your discussion include causes with an explanation for delayed wound healing.
7. Discuss the pathogenesis of atherosclerosis. Include in your discussion the various lesions as well as their complications.