



## THE COLLEGES OF MEDICINE OF SOUTH AFRICA

Incorporated Association not for gain  
Reg No 1955/000003/08

Part I Examination for the Fellowship of the  
College of Forensic Pathologists of South Africa

29 January 2018



Paper 1

Anatomical Pathology

(3 hours)

*All questions are to be answered. Each question to be answered in a separate book (or books if more than one is required for the one answer)*

---

- 1 Discuss the current applications of post mortem biochemistry in the diagnosis of
  - a) Myocardial infarction. (12)
  - b) Disorders of glucose metabolism. (13)[25]
- 2 Discuss the macroscopic appearance and subsequent course of acute inflammation. [15]
- 3 Write short notes on
  - a) Liquefactive necrosis. (5)
  - b) Fat necrosis. (5)
  - c) Fibrinoid necrosis. (5)[15]
- 4 Compare the pathogenesis of these entities using clinical examples
  - a) Red and white infarcts. (5)
  - b) Arterial and venous emboli. (5)
  - c) Type I and Type IV hypersensitivity. (5)[15]
- 5
  - a) Comment on the clinical history, autopsy findings and histological features of saccular (berry) aneurysms. (8)
  - b) Classify meningitis according to pathogenesis and morphological features. (7)[15]
- 6 Write short notes on
  - a) Aspiration pneumonia. (5)
  - b) Pathology of pneumoconiosis. (10)[15]



## THE COLLEGES OF MEDICINE OF SOUTH AFRICA

Incorporated Association not for gain  
Reg No 1955/000003/08

Part I Examination for the Fellowship of the  
College of Forensic Pathologists of South Africa

30 January 2018



Paper 2

(3 hours)

*All questions are to be answered. Each question to be answered in a separate book (or books if more than one is required for the one answer)*

---

- 1 Discuss the aetiology, pathogenesis and pathology of Disseminated Intravascular Coagulopathy. [25]
- 2 Briefly discuss the following
  - a) The factors that influence tissue repair. (9)
  - b) Morphology of protein energy malnutrition. (6)[15]
- 3 Discuss the features which can be used to distinguish between ulcerative colitis and Crohn disease (you may make use of a table). [15]
- 4 Write short notes on
  - a) The pathogenesis of endometriosis. (10)
  - b) The sequelae of brain trauma. (5)[15]
- 5 There is a sudden and public collapse of a 55-year-old politician engaged in a robust parliamentary discussion. He is obese with a history of diabetes and hypertension. Acute myocardial infarction is suspected
  - a) Give a short differential diagnosis, excluding myocardial infarction, of conditions that may cause the sudden demise of the politician under the circumstances as described. (5)
  - b) Discuss the histological appearance of the heart following acute infarction of 3-4 days duration. (5)
  - c) Discuss the renal changes one may expect macroscopically and microscopically, with this history. (5)[15]
- 6
  - a) Briefly describe keloid scarring and its macroscopic and microscopic appearance. (7)
  - b) Give a brief description of apoptosis and the common physiologic causes. (8)[15]