



## 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

2 February 2021



Paper 1

Anatomical Pathology

(3 hours)

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

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- 1 Describe the gross (macroscopic) and histological findings in a decedent known to have abused alcohol. [25]
- 2
  - a) Tobacco smoke contains more than 2000 compounds. Amongst these is nicotine, which is responsible for tobacco addiction and the exposure to multiple carcinogens. Briefly describe the adverse health effects of maternal tobacco smoking. (3)
  - b) Write short notes on the following potentially lethal complications of prematurity
    - i) Necrotizing enterocolitis. (4)
    - ii) Neonatal hyaline membrane disease. (8)[15]
- 3 Write short notes on the following hypersensitivity reactions, with examples of each of the types below
  - a) The Immediate (type I) hypersensitivity reaction. (5)
  - b) The Immune-complex mediated (type II) hypersensitivity reaction. (5)
  - c) The Cell-mediated (type IV) hypersensitivity reaction. (5)[15]
- 4 Write short notes on acute lung injury (Diffuse Alveolar Damage / Adult Respiratory Distress Syndrome) under the following headings
  - a) Definition. (1)
  - b) Causes. (9)
  - c) Morphology: macroscopic and microscopic findings. (5)[15]
- 5 Write short notes on
  - a) The morphology of congenital syphilis. (5)
  - b) Agents of bioterrorism, with specific reference to the categorisation thereof. (10)[15]
- 6 Describe the sequelae and complications of staphylococcal infections as encountered in the forensic pathology setting. [15]

TOTAL MARKS: 100



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Paper 2

Anatomical Pathology

(3 hours)

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

- 1 A 40-year-old female died as a consequence of Systemic Lupus Erythematosus (SLE) related complications. Discuss your autopsy approach, pathogenesis, pathology and complications. [25]
- 2 Describe the mechanisms of transplant rejection and the morphology thereof. [15]
- 3 Write short notes on
  - a) The definition of blood pressure. (3)
  - b) Complications of arterial hypertension. (5)
  - c) Classification of aortic aneurisms. (3)
  - d) Complications of aortic aneurisms. (4)
 [15]
- 4 Write short notes on the acute and delayed complications of
  - a) Acute pancreatitis. (5)
  - b) Acute appendicitis. (5)
  - c) Acute pyelonephritis. (5)
 [15]
- 5 a) A 15-year-old asthmatic male dies following a suspected episode of status asthmaticus. Describe the typical autopsy findings in the lungs under the following headings
  - i) Macroscopic findings. (2)
  - ii) Microscopic findings. (5)
 b) Describe four (4) factors that influence the development of an infarct. (8)  
[15]
- 6 a) Compare the morphology of acute and chronic non-specific lymphadenitis. (8)  
b) Write short notes on the macroscopic and microscopic features of pheochromocytoma. (7)  
[15]