



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 Pathologists of South Africa - Anatomical

29 June 2017



1 Paper only

(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
- a) Discuss the defects of the DNA repair mechanisms giving pertinent examples of diseases that may arise from defective DNA repair systems. (15)
 - b) Write notes on the pathological features of mitral valve prolapse and secondary changes that may be present. (10)
- [25]
- 2
- a) Discuss Langerhans cell histiocytosis under the following headings
 - i) Mutations. (4)
 - ii) Clinico-pathological entities. (11)
 - b) Write notes on mucormycosis under the following headings
 - i) Pathogenesis. (5)
 - ii) Pathology. (5)
- [25]
- 3
- Write notes on meningioma under the following headings
- a) Molecular genetics. (5)
 - b) Histologic patterns. (20)
- [25]
- 4
- a) Classify amyloidosis and name the fibrillary protein in each type. (10)
 - b) Discuss the causes of apoptosis. (10)
 - c) Discuss the factors that influence the development of an infarct. (5)
- [25]