



Faculty of Medicine, University of Ruhuna, Galle.
Third Examination for Medical Degrees (Part II) April 2005

Pathology Paper I

Monday 4th April 2005

9.00am to 11.00 am
2 hours

Answer **ALL FOUR** questions.
Answer each part in a **SEPARATE** book.

Part A

Describe briefly the differences between

- 1.1 vegetations of rheumatic carditis and infective endocarditis. (20 marks)
- 1.2 dystrophic and metastatic calcification. (25 marks)
- 1.3 macroscopic appearances of benign and malignant neoplasms. (25 marks)
- 1.4 macroscopic appearances of the lungs in primary pulmonary tuberculosis and post primary pulmonary tuberculosis. (30 marks)

Part B

- 2.1 Define the term infarction. (10 marks)
- 2.2 Describe the macroscopic and microscopic appearances of the heart and the lungs in a patient who has died on the second day following a myocardial infarction. (40 marks)
- 2.3 Describe briefly the complications of myocardial infarction. (50 marks)

Part C

- 3.1 What is fatty change? (10 marks)
- 3.2 Describe the pathogenesis of fatty change in the liver. (40 marks)
- 3.3 Describe the macroscopic and microscopic appearances of the liver in cirrhosis. (50 marks)

Part D

- 4.1 Erroneous laboratory results have the potential of causing considerable harm in patient management. These errors can occur at various stages in the investigation process.
 - 4.1.1 What are the **THREE** stages in which laboratory errors can occur? (15 marks)
 - 4.1.2 State **FIVE** instances with regard to **FIVE** different investigations where a wrong procedure in the collection of the specimen would result in an erroneous laboratory result (include haematological and biochemical investigations **ONLY**). (25 marks)
 - 4.1.3 Describe giving reasons how you would ideally collect the specimen for each of the five investigations mentioned in 4.1.2. (30 marks)
- 4.2 Outline the causation of anaemia in malignant disease. (30 marks)