



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

Pathology Paper I

Monday 5th December 2005

9.00am to 11.00 am
2 hours

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

Part A

1 Write notes on the following.

- 1.1 Complications of bronchiectasis. (30 marks)
- 1.2 Leiomyoma. (30 marks)
- 1.3 Intracerebral haemorrhage. (40 marks)

Part B

2 2.1 Define the following terms.

- 2.1.1 Dysplasia.
- 2.1.2 Infarction.
- 2.1.3 Thrombosis.
- 2.1.4 Hyperplasia. (5 marks each)

2.2 A 65 year-old male presented with progressive dysphagia. He is a heavy smoker. On examination he was severely wasted and an enlarged supraclavicular lymph node was found. Endoscopy revealed a lesion in the oesophagus.

- 2.2.1 State the most likely diagnosis giving reasons. (20 marks)
- 2.2.2 Describe the macroscopic and microscopic appearances of the lesion in the oesophagus, based on the most likely diagnosis. (60 marks)

Part C

3. A 30 year-old female with chronic rheumatic heart disease presented with low grade fever of 3 weeks duration. She had developed fever following a tooth extraction. On investigation she was found to have haematuria.

- 3.1 What is your most likely diagnosis? (10 marks)
- 3.2 List **TWO** investigations that will help in confirming the diagnosis you have mentioned in 3.1 (10 marks)
- 3.3 Describe briefly the pathological basis of the haematuria in this patient. (30 marks)
- 3.4 Describe the macroscopic appearances of the heart and the kidneys in this patient. (50 marks)

P.T.O.

Part D

- 4.1 A 25 year old female presented with jaundice. Her haemoglobin was 7g/dL. The reticulocyte count was 8%.
- 4.1.1 What is your most likely diagnosis? (10 marks)
- 4.1.2 List, giving reasons the relevant haematological investigations you would do on this patient. (40 marks)
- 4.2 4.2.1 List **FOUR** biochemical cardiac markers that are helpful in the diagnosis of myocardial infarction. (10 marks)
- 4.2.2 Describe the value of biochemical cardiac markers in the diagnosis of myocardial infarction. (25 marks)
- 4.2.3 What advice would you give a patient who is expected to get his lipid profile estimated, indicating your reasons? (15 marks)