



Faculty of Medicine, University of Ruhuna
Third Examination for Medical Degrees - Part II July 2008

Pathology Paper I

Wednesday 16th July 2008

9.00am to 11.00 am
2 hours

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

Part A

- 1 Describe the macroscopic and microscopic features of the following.
- 1.1 Benign cystic teratoma. (30 marks)
 - 1.2 Renal cell carcinoma. (30 marks)
 - 1.3 Post primary pulmonary tuberculosis. (40 marks)

Part B

- 2
- 2.1 Discuss the pathogenesis of rheumatic fever. (30 marks)
 - 2.2 Describe the macroscopic and microscopic features of the heart and the lungs in a patient who died of chronic rheumatic heart disease. (70 marks)

Part C

3. A 65 year old male presented with progressive dysphagia. She has a past history of burning epigastric pain. On examination she was found to have an enlarged supraclavicular lymph node. Endoscopic examination showed a growth within the lower one third of the oesophagus.
- 3.1 What is the most likely diagnosis? (10 marks)
 - 3.2 Explain the pathological basis of progressive dysphagia and the enlarged supraclavicular lymph node in this patient. (30 marks)
 - 3.3 How would you confirm the diagnosis in this patient? (15 marks)
 - 3.4 Describe the microscopic appearance of the oesophageal lesion. (30 marks)
 - 3.5 Briefly describe the aetiological associations of the lesion you have mentioned in 3.1. (15 marks)

Part D

- 4.1 Describe how you would investigate a patient suspected of having iron deficiency anaemia. (50 marks)
- 4.2
 - 4.2.1 List **THREE** general biochemical tests which are commonly requested from wards and give **TWO** indications for requesting each of the tests. (15 marks)
 - 4.2.2 Explain (by giving examples) how you would contribute as an Intern Medical Officer to minimize the pre-analytical errors of the three tests mentioned in 4.2.1 (35 marks)