



Faculty of Medicine, University of Ruhuna
Third Examination for Medical Degrees - Part II July 2006

Pathology Paper I

Monday 24th July 2006

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 Granulomatous inflammation. (30 marks)
 - 1.2 Colonic polyps. (35 marks)
 - 1.3 Hepatocellular carcinoma. (35 marks)

Part B

- 2
- 2.1 Describe the possible postmortem appearances of a patient who has died of bronchiectasis. (50 marks)
 - 2.2 Discuss the clinicopathological consequences of brain tumours. (50 marks)

Part C

3. A 40 year-old male was admitted to a medical ward with generalized oedema. On investigation he was found to be passing >3.5g of protein in urine per day.
- 3.1 What is the clinical diagnosis? (10 marks)
 - 3.2 List **THREE** glomerular diseases that can give rise to the above clinical picture. (15 marks)
 - 3.3 Describe briefly the microscopic appearance of **ONE** of the glomerular diseases you have mentioned in 3.2 (35 marks)
 - 3.4 Describe giving examples, the pathogenetic mechanisms of development of glomerular changes in the clinical condition mentioned in 3.1. (40 marks)

Part D

- 4
- 4.1 Describe briefly the pathological basis of the following.
 - 4.1.1 Microcytosis in iron deficiency. (15 marks)
 - 4.1.2 Hepatosplenomegaly in thalassaemia. (20 marks)
 - 4.1.3 Polychromasia in haemolytic anaemia. (15 marks)
 - 4.2 A 65 year-old man in a semiconscious state was admitted to the medical casualty ward of the Teaching Hospital Karapitiya. There was no history of trauma or head injury.
 - 4.2.1 List **THREE** possible metabolic diseases for the altered level of consciousness in this patient. (15 marks)
 - 4.2.2 List **FIVE** biochemical investigations you would do on admission. Explain briefly the reasons for requesting each of them and the expected findings. (35 marks)