

33 repeat



Faculty of Medicine, University of Ruhuna
Third Examination for Medical Degrees (Part II) – December 2014
Pathology Paper I

Wednesday 10th December 2014

9.00 a.m. to 11.00 a.m.
Two hours

ALL FOUR questions.
Each part in a SEPARATE book.

Part A

- 1 Describe giving examples, the outcomes of acute inflammation. (40 marks)
- 2 Describe the different clinical presentations of lung carcinoma explaining their pathological basis. (60 marks)

Part B

- 1 Describe the macroscopic and microscopic appearances of carcinoma of the oesophagus. (30 marks)
- 2 Ulcerative colitis. (40 marks)
- 3 Cirrhosis. (30 marks)

Part C

- 1 Compare and contrast the pathogenesis, morphology and complications of cardiac vegetations in infective endocarditis and rheumatic carditis. (50 marks)
- 2 Discuss the pathogenesis and clinical effects of pulmonary thromboembolism. (50 marks)

Part D

A 55 year-old male presented with bilateral ankle oedema and pallor. He had a past history of chronic glomerulonephritis. A recent ultrasound scan of the abdomen showed bilateral granular contracted kidneys.

The initial biochemical investigations are given below.

Urine

Protein 1.5 g/day

Serum

Urea	20 mmol/L	(3 - 8)
Potassium	4.8 mmol/L	(3.5 - 5.0)
Sodium	130 mmol/L	(135 - 145)

- 1 What is the most likely diagnosis? (05 marks)
- 2 List four other biochemical investigations you would request for this patient, based on the diagnosis given for 4.1 and explain their expected findings. (40 marks)
- 3 Explain the possible pathological mechanisms for pallor in this patient. (25 marks)
- 4 List three haematological investigations you would request for this patient and state their expected findings. (30 marks)