



**Faculty of Medicine, University of Ruhuna**  
**Third Examination for Medical Degrees (Part II) - December 2011**  
**Pathology Paper I**

Wednesday 14<sup>th</sup> December 2011

9.00 a.m. to 11.00 a.m.  
2 hours

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

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**Part A**

1. Describe briefly the complications of
  - 1.1 myocardial infarction. (40 marks)
  - 1.2 infective endocarditis. (30 marks)
  - 1.3 idiopathic inflammatory bowel disease. (30 marks)

**Part B**

2. A 50 year-old male presented with cough and haemoptysis of 3 months duration.
  - 2.1 Give **two non-neoplastic** causes for the above presentation. (10 marks)
  - 2.2 List **five** laboratory investigations which will help in diagnosing a malignant neoplasm responsible for the above clinical scenario. (15 marks)
  - 2.3 Describe briefly how you would transport the specimens of the above listed investigations to the laboratory. (15 marks)
  - 2.4 Describe the possible macroscopic appearances of the thorax in this patient, if it is due to a malignancy. (60 marks)

**Part C**

3. Describe the macroscopic and microscopic features of the relevant organ system in the following patients.
  - 3.1 Acute pyelonephritis in a 35 year-old female (40 marks)
  - 3.2 Benign cystic teratoma in a 40 year-old female (35 marks)
  - 3.3 Thyroid gland in longstanding iodine deficiency in a 45 year-old female (25 marks)

**Part D**

3. Briefly describe how you would investigate each of the following conditions to arrive at a **final diagnosis**. Your answer should include the relevant laboratory tests, their sample collection requirements and the expected findings.
  - 4.1 Adrenal insufficiency (40 marks)
  - 4.2 Autoimmune haemolytic anaemia in an adult (60 marks)