



**FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE**  
**Final Examination for Medical Degrees – November 2013**  
**SURGERY - PAPER I**

Thursday 21<sup>st</sup> November 2013

3 hours (1.00 p.m. to 4.00 p.m.)

Answer ALL FIVE Questions.

Answer each part in a SEPARATE answer book.

**Part A**

1.
  - 1.1 List two inflammatory bowel diseases. (10 Marks)
  - 1.2 Compare and contrast five main differences between these two diseases. (25 Marks)
  - 1.3 Give two common sites affected by the two diseases, separately. (20 Marks)
  - 1.4 List extraintestinal manifestations of the above diseases. (20 Marks)
  - 1.5 Enumerate the complications of two diseases separately. (25 Marks)

**Part B**

3. A 55 year old man having hypercholesterolaemia and diabetes mellitus presented to the surgical casualty with the following symptoms.

Severe epigastric and scapular pain not responding to simple analgesics and associated nausea and vomiting. On examination he was febrile, icteric and had a pulse rate of 100/min and a Blood Pressure of 90/60 mmHg. There was tenderness in the epigastrium and the bowel sounds were absent.

- 2.1 List three differential diagnoses giving reasons. (30 Marks)
- 2.2 Results of some of the investigations are as follows.  
Serum Amylase of 1000 iu/l, ALT of 200 iu/l, Alkaline Phosphate of 350 iu/l, Serum Bilirubin of 3mg/dl, WBC/DC count of 16000/mm<sup>3</sup> with 90% neutrophilia, CRP level of 125 mg/l, Random Blood Sugar of 250mg/dl and partial pressure of oxygen of 50 mmHg in the blood gas analysis.

Discuss the management of this patient in the next 48 hours. (70 Marks)

**Part C**

3. A 25 year old female is complaining of severe pain on defaecation for 2 days. She has also noticed blood on the stool.
  - 3.1 List three causes for the above presentation. (30 Marks)
  - 3.2 Describe the management of the most likely condition. (70 Marks)

**Part D**

4. A 52 year old man underwent an exploratory laparotomy for a perforated small bowel with peritoneal soiling. He was sent to the post surgical ward with a blood transfusion. One hour later the blood pressure was found to be low.
  - 4.1 List four reasons for his low blood pressure. (20 Marks)
  - 4.2 List five physical signs you would look for in order to arrive at a diagnosis. (30 Marks)
  - 4.3 List four investigations with expected results, which you would request. (20 Marks)
  - 4.4 Briefly describe the management of this patient. (30 Marks)

**Part E**

5.
  - 5.1 List four investigations, giving expected findings which would be of value in diagnosing specific intraabdominal injuries, in a 45 year old man who has met with a road traffic accident. (40 Marks)
  - 5.2 List four complications of splenectomy done for abdominal trauma. (20 Marks)
  - 5.3 List two measures which should be taken to prevent complications mentioned in 5.2. (10 Marks)
  - 5.4 Two years following splenectomy, the patient presented with an incisional hernia. List five possible contributory factors for this complication. (30 Marks)