



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

Thursday 23<sup>rd</sup> May, 2013

1.00 pm to 4.00 pm  
(3 hours)

Answer ALL FIVE Questions.

Answer Each Part in a SEPARATE Answer Book.

**Part A**

1. A 60 year-old man underwent an anterior resection of the rectum. He developed fever and tachypnoea on the 5<sup>th</sup> post operative day. Examination revealed a healthy wound.
- 1.1 List four possible diagnoses for this presentation. (40 marks)
- 1.2 If the drainage had a faecal smell what is the most likely diagnosis? (20 marks)
- 1.3 How would you manage the condition mentioned in 1.2 (40 marks)

**Part B**

2. 2.1 Enumerate four painless, non-malignant scrotal lumps. (20 marks)
- 2.2 List the physical signs specific to each of the conditions mentioned in 2.1 (80 marks)

**Part C**

3. 56 year old female underwent an emergency exploratory laparotomy for acute abdomen and was found to have faecal peritonitis. She is currently having an epidural catheter for post operative pain management. She was known to have hypertension and dyslipidaemia. 30 minutes after surgery she was found to have heart rate to be 110/min and blood pressure of 80/50mmHg.
- 3.1 List five likely causes for her current condition. (25 marks)
- 3.2 State with reasons five clinical features you would look for in order to arrive at a diagnosis. (20 marks)
- 3.3 List four investigations you would request for this patient and state the expected results. (20 marks)
- 3.4 Outline the further management of this patient. (35 marks)

**Part D**

- 4.
- 4.1 A 35 year-old female is admitted with Kerosine oil flame burns involving face, front of trunk and upper thighs. Outline her management during the first 36 hours. (50 marks)
- 4.2 A 25 Year-old motor cyclist is admitted to emergency department with a compound fracture of right tibia and fibula. Outline his management during the first 12 hours. (50 marks)

**Part E**

5. A 55 year-old female presents to a surgical casualty ward with the following history and examination findings.
- Severe right hypochondrial and epigastric pain associated with nausea and vomiting of two days duration
  - Fever with chills and rigors for the last 24 hours.
  - Patient is febrile (39c), icteric, pulse rate of 110/min, blood pressure of 100/60 mmHg and associated guarding in right hypochondrium.
  - Investigation results are as follows: WBC/DC count of 16,500 with 90% neutrophils, CRP of 65 mg/l and an elevated alkaline phosphatase concentration and elevated direct bilirubin concentration in the liver function tests.
- 5.1 List three differential diagnoses. (15 marks)
- 5.2 Outline the management of this patient for the next 24 hours. (50 marks)
- 5.3 List three other investigations that are needed in the immediate management of this patient. (15 marks)
- 5.4 List two possible complications of this patient. (20 marks)