



**FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE**  
**Final Examination for Medical Degrees – November 2017**  
**SURGERY - PAPER I**

Thursday 23<sup>rd</sup> November 2017

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. A 30- year-old motorcyclist was admitted to Emergency Treatment Unit (ETU) following a road traffic accident. Findings were;
- patient was talking rationally
  - complained of pain in left side of the chest
  - respiratory rate 40/min.
  - breath sounds were diminished in his left chest
  - pulse 120/min.
  - blood pressure 100/65 mm/Hg
  - no other injuries evident
- 1.1 List **four (4)** potential injuries you expect to find in this patient. Outline their management. (40 marks)
- 1.2 Name **four (4)** complications which can result from insertion of a chest drain. (20 marks)
- 1.3 Name **three (3)** indications for thoracotomy in this patient. (15 marks)
- 1.4 Above patient was discharged from the hospital at a later date. He was admitted to the ETU 6 months later with sudden onset shortness of breath. What is the most likely cause related to the accident mentioned? (10 marks)
- 5 List **three (3)** approaches to minimize accidents in Sri Lanka. (15 marks)

**Part B**

2. A 52- year-old female presented with three day history of right upper quadrant pain, fever and vomiting. A clinical diagnosis of acute cholecystitis was made.
- Describe the management of this patient. (100 marks)

**Part C**

3. A 35-year- old man presented with severe pain in right loin radiating to the right testis of two hours duration. Pain was associated with vomiting. He has had two episodes of hematuria over the last week.
- Describe the management of this patient. (100 marks)

**Part D**

4. A 65-year-old male (60 kg) underwent emergency exploratory laparotomy for bowel obstruction. He was a known patient with bronchial asthma and dyslipidaemia. Both conditions were under control.

- 4.1 List the parameters you would like to monitor in this patient post-operatively, emphasizing their importance. (10 marks)
- 4.2 Outline the plan of post-operative pain control during the first 24 hours. (20 marks)
- 4.3 What is the fluid regime that you would recommend for the first 24 hours? (20 marks)
- 4.4 Write two (2) more post-operative instructions to be followed in the first 24 hours. (10 marks)

His urine output was 15 ml/hour for the last 3 hours post-operatively.

- 4.5 Comment on his urine output and give reasons. (20 marks)
- 4.6 Outline steps in the management of status in 4.5. (20 marks)

**Part E**

5. A 28-year-old female presented with recent change of voice. She was found to have a lump in the right side of the thyroid gland.

- 5.1 What are the features in the history and examination that would support a diagnosis of thyroid malignancy? (25 marks)
- 5.2 What investigations are performed to arrive at a diagnosis? (20 marks)
- 5.3 Outline the management if the diagnosis is papillary carcinoma of thyroid. (40 marks)
- 5.4 List three (3) other types of thyroid malignancies. (15 marks)