



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE  
Final Examination for Medical Degrees – March 2019  
SURGERY - PAPER I

Friday 22<sup>nd</sup> March 2019

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. Describe the measures that should be taken by a House Officer to improve safety in surgery. (100 marks)

Part B

- 2.
- 2.1 Define the term "Head Injury". (10 marks)
  - 2.2 Enumerate the types of fractures involving the vault of the skull. (10 marks)
  - 2.3 List the features of anterior cranial fossa fractures. (20 marks)
  - 2.4 Describe the term "secondary brain injury". (10 marks)
  - 2.5 List Five (5) main causes of secondary brain injury explaining the mechanism in each cause. (50 marks)

Part C

3. A 65-year-old man is sent to a surgical ward, one hour after a partial gastrectomy.

He is complaining of feeling unwell. On examination he is restless, pulse rate is 125 /minute and blood pressure is 100/80 mmHg.

- 3.1 List 04 (four) possible causes for his clinical condition. (10 marks)
- 3.2 List 04 (four) clinical features (apart from those given above) you would expect in each cause mentioned in 3.1 (40 marks)
- 3.3 List 05 (five) investigations and state the expected findings. (25 marks)
- 3.4 Briefly describe the management of this patient. (25 marks)

**Part D**

4. A 70-year-old man is admitted to the emergency surgical ward with a history of not passing urine for 24 hours. He is febrile with a temperature of 39°C. He has severe tenderness in both renal angles. His capillary blood sugar is 320 mg/dL.

4.1 On what clinical features can a diagnosis of acute retention of urine be made?

(20 marks)

4.2 How would you differentiate acute retention of urine from the following ?

4.2.1 Anuria.

(10 marks)

4.2.2 Chronic retention of urine.

(10 marks)

4.3 Outline the management of this patient in the first 24 hours.

(60 marks)

**Part E**

5. A 35-year-old man (35kg) who underwent a right hemi-colectomy 6 days ago develops leaking of greenish yellow fluid from the wound. There is redness and tenderness over the wound.

He is febrile (39°C), tachycardic (pulse rate is 120/minutes) and has a urine output of 10ml per hour for the last 4 hrs.

5.1 List the clinical problems seen in this patient.

(30 marks)

5.2 As an Intern Medical Officer how would you manage this patient in the next 48 hours?

(70 marks)