



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE
Final Examination for Medical Degrees – November 2015
SURGERY - PAPER I

Friday 27th November 2015

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 Outline the immediate management of a patient with multiple injuries. (30 marks)
- 1.2 A 23-year-old man is admitted to the Accident and Emergency Department following a gunshot injury one (1) hour prior to admission. The entry site is on the 9th intercostal space in the left midaxillary line.
- 1.2.1 Enumerate the clinical features of a haemothorax. (30 marks)
- 1.2.2 Name the main physical sign which will differentiate a haemothorax from a pneumothorax. (05 marks)
- 1.2.3 What is the key radiological feature seen in an erect chest X-ray which support the diagnosis of a haemopneumothorax? (05 marks)
- 1.2.4 Name **eight (8)** types of injuries that can be expected in this patient other than above. (30 marks)

Part B

2. A 55-year-old man presents with a history of change of bowel habits and bleeding per rectum of two months duration. Per rectal examination reveals an ulcer 5cm away from the anal verge.
- 2.1 What is the most likely diagnosis? (20 marks)
- 2.2 List **six (06)** specific investigations indicated in this patient to arrive at a diagnosis. (30 marks)
- 2.3 Outline the treatment of this patient. (50 marks)

Part C

3. A 50-year-old male was transferred from a local hospital with a history of abdominal pain followed by fever of six days duration. On arrival his Pulse rate was 110 beats per minute and Blood pressure was 80/60mmHg. There was generalized abdominal tenderness, rebound tenderness and guarding. Ultrasound scan revealed free fluid and an ileo-colic intussusception.

Describe the management of this patient in the first 48 hours.

(100 marks)

Part D

4. A 50-year-old woman with past history of bronchial asthma on inhalers is awaiting suturing of a 10cm long laceration over her right forearm, under local anaesthesia. She has no other injuries. Her body weight is 60 kgs.
- 4.1 How would you prepare her preoperatively for surgery scheduled for next day morning? (20 marks)
- 4.2 Outline the steps you would follow in the operating theatre prior to the operation. (20 marks)
- 4.3 Indicate the local anesthetic of choice and the dose suitable for this patient. (20 marks)
- 4.4 List **four (04)** clinical features to suspect systemic toxicity due to local anesthetic mentioned in 4.3. (20 marks)
- 4.5 Outline the emergency management in suspected systemic local anaesthetic toxicity. (20 marks)

Part E

5. A 60-year-old man presents with painless hematuria of 2 weeks duration.
- 5.1 List **ten (10)** possible causes for above presentation. (30 marks)
- 5.2 Discuss the management of the above patient. (70 marks)