



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE
Final Examination for Medical Degrees – JULY/AUGUST 2021
SURGERY - PAPER I

Thursday 29th July 2021

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 65 year old male with hypertension and diabetes mellitus is admitted from surgical clinic with a mass in the right iliac fossa.
 - 1.1 List **three (03)** possible diagnoses for the mass in right iliac fossa. (15 marks)
 - 1.2 List **two (02)** investigations to arrive at a definitive diagnosis. (10 marks)
 - 1.3 A decision is taken to perform right hemi-colectomy. Describe how you will optimize him prior to surgery. (25 marks)
 - 1.4 Briefly outline how you will manage this patient during the 72 hours following surgery. (50 marks)

Part B

2. Write short notes on
 - 2.1 Assessment of gynaecomastia in a 40 year old (40 marks)
 - 2.2 Role of mammography in breast cancer. (30 marks)
 - 2.3 TNM staging of breast cancer. (30 marks)

Part C

3. A 60 year old male presents to surgical casualty with inability to pass urine for 8 hours duration. He had both storage and voiding symptoms for last 6 months. On examination he had tender and palpable urinary bladder.
 - 3.1 What is the clinical diagnosis? (10 marks)
 - 3.2 Outline the initial management. (30 marks)
 - 3.3 List **four (04)** storage and **four (04)** voiding symptoms. (20 marks)
 - 3.4 Ultra sound scan KUB reveals an enlarged prostate. Briefly outline the long term management. (40 marks)

Part D

4. A 60 year old male underwent an emergency laparotomy for ruptured appendix.

His weight is 60kg.

He is a known patient with hypertension and is on treatment.

His urine output was < 20ml/ hr for the last 02 hours post-op.

- 4.1 Comment on his urine output stating the expected normal. *(10 marks)*
- 4.2 List **four (04)** possible explanations for this clinical scenario. *(20 marks)*
- 4.3 Write **four (04)** clinical features which you expect to find to arrive at a diagnosis. *(20marks)*
- 4.4 Write **three (03)** investigations with expected results you would request in order to arrive at a diagnosis. *(15 marks)*
- 4.5 Briefly explain your plan of management for this patient within first 24 hours. *(35 marks)*

Part E

5 A 30 year old man is admitted to the emergency department following a run-over injury. His airway is clear and breath sounds are normal. Pulse rate is 134 beats per minute and blood pressure is 85/50 mmHg. He complains of lower abdominal pain and has a tyre mark across pelvic area.

- 5.1 State the most likely diagnosis. *(20 marks)*
- 5.2 List **three (03)** most likely organs to get injured. *(15 marks)*
- 5.3 State **four (04)** specific therapeutic measures which can improve his immediate condition. *(20 marks)*
- 5.4 List **five (05)** possible long term complications. *(25 marks)*
- 5.5 Classify mechanisms of injury which can lead to abdominal trauma. *(20 marks)*