



**FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE**  
**Final Examination for Medical Degrees – AUGUST 2022**  
**SURGERY - PAPER I**

Thursday 04<sup>th</sup> August 2022

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 45-year-old house wife has sustained hot water burn involving front of the chest and front of the abdomen in a kitchen accident. She also had sustained similar burn to forefoot and toes of both feet. Patient was brought in 02 hours after the accident to emergency department. Patient is in severe pain, agitated and affected areas show extensive blisters. Her weight is 60 kg.
  - 1.1 Name two (02) first aid measures that would have been carried out at the site of incident. (10 marks)
  - 1.2 List four (04) main problems requiring early attention. (20 marks)
  - 1.3 List six (06) main immediate general interventions. (30 marks)
  - 1.4 Outline a plan for her fluid management over the next 36-48hrs. (15 marks)
  - 1.5 Briefly explain the management of wounds in the trunk, perineum and toes. (15 marks)
  - 1.6 List two (02) main long term problems this patient is likely to develop. (10 marks)

**Part B**

2. A 65-year-old is admitted to the surgical casualty with haematuria.
  - 2.1 List five (05) most likely causes for haematuria in this patient. (20 marks)
  - 2.2 How will you arrive at a diagnosis by history and examination? (60 marks)
  - 2.3 Explain the place of cystoscopy in the management of haematuria. (20 marks)

**Part C**

3. Write short notes on,
  - 3.1 Total parenteral nutrition. (25 marks)
  - 3.2 Bowel preparation for a colonic surgery. (25 marks)
  - 3.3 Triple assessment of a breast lesion. (25 marks)
  - 3.4 Abdominal compartment syndrome. (25 marks)

**Part D**

4. A 65-year-old male (60kg) underwent emergency exploratory laparotomy for bowel obstruction. He was a known patient with hypertension and ischemic heart disease. Both of his conditions were under control.
- 4.1 List five (05) clinical parameters you would like to monitor in this patient post-operatively, emphasizing their importance. *(20 marks)*
- 4.2 Outline the plan of post-operative pain control during the first 24 hours. *(20 marks)*
- 4.3 How would you calculate fluid requirement for the first 24 hours post-operatively? *(25 marks)*
- 4.4 Write three (03) possible reasons for reduced urine output during post operative period. *(15 marks)*
- 4.5 Outline steps in the management of reduced urine output. *(20 marks)*

**Part E**

5. A 60-year-old-male presented with changes of bowel habit for 04 months duration. He underwent colonoscopy and ended up in perforation of large bowel at the recto-sigmoid junction. Discuss the management of this patient. *(100 marks)*