



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

Thursday 11th March 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. Write short notes on
 - 1.1 Anti-thyroid medications. (25 marks)
 - 1.2 FNAC of a thyroid lesion. (25 marks)
 - 1.3 Hypocalcemia following total thyroidectomy. (25 marks)
 - 1.4 Post thyroidectomy stridor. (25 marks)

Part B

2. A 58-years-old female patient is admitted with a history of bleeding per rectum for 5 months.
 - 2.1 List **FOUR (04)** benign causes for the above problem. (20 marks)
 - 2.2 List **THREE (03)** investigations needed to arrive at a diagnosis. (15 marks)
 - 2.3 She is found to have a malignant lesion at the rectosigmoid junction. Describe how you would you prepare this patient for surgery. (45 marks)
 - 2.4 List **FOUR (04)** possible post-op complications. (20 marks)

Part C

3. A 45-years-old retired sailor is admitted with severe lower abdominal discomfort for 3 hours duration and fever with chills and rigors for 2 days. He has not passed urine for 6 hours in spite of severe urge. He also gives a history of poor stream and straining on passing urine for several years.

Describe the management of this patient.

(100 marks)

Part D

4. A patient weighing 130 kg was admitted to the surgical ward for treatment of cellulitis of the right leg. He has well controlled bronchial asthma. He is on inhaler therapy. He was started on intravenous co amoxiclav 1.2g 8 hourly.

On day 3, he developed difficulty in breathing for 1 hour

- 4.1 Briefly describe the immediate management of this patient. (35 marks)
- 4.2 State **THREE (03)** differential diagnoses for breathing difficulty. (15 marks)
- 4.3 Mention **TWO (02)** clinical features you would expect to find in each of the conditions mentioned in 4.2. (18 marks)
- 4.4 Mention **TWO (02)** findings that you would expect to see in an arterial blood gas in each of the above conditions. (12 marks)
- 4.5 Mention **FOUR (04)** other investigations you would request to diagnose conditions mentioned in 4.2. (20 marks)

Part E

5. A 70-year-old male is admitted to the Accident and Emergency Department with sudden onset pain in left leg for 2 hours duration. He has diabetes mellitus, hypertension, dyslipidemia, and atrial fibrillation with no regular follow up. Examination of left lower limb revealed absent pulses on popliteal, dorsalis pedis and posterior tibial arteries. His common femoral pulse was felt.

- 5.1 What is the most likely clinical diagnosis? (20marks)
- 5.2 List **FOUR (04)** clinical features which support your diagnosis. (20marks)
- 5.3 Briefly describe the pathophysiology of diagnosis mentioned in 5.1. (20marks)
- 5.4 Describe the initial steps in managements of this patient. (40marks)