



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA
Final Examination for Medical Degrees – November 2018
SURGERY - PAPER I

Thursday 29th November 2018

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 uses of Gastro intestinal endoscopy in surgical practice. (100 marks)

Part B

2. A 55-year-old man (60 Kg) with a history of bronchial asthma is scheduled to undergo an exploratory laparotomy for removal of a bowel cancer. He is on inhalers.
- 2.1 Write five pre-operative investigations with reasons you would request. (30 marks)
- 2.2 What pre-operative instructions would you give. (10 marks)
- 2.3 Explain your plan of post-operative pain management. (20 marks)
- 2.4 Calculate and prescribe his intra-venous fluid requirements for the first post-operative day. (20 marks)
- 2.5 Write four other post-operative instructions to be followed in the ward. (20 marks)

Part C

3. A 35-year-old man is admitted with acute retention of urine. He gives a history of fever, dysuria, suprapubic pain and increased frequency of urination of 3 days duration. Attempted urethral catheterization failed.

Describe the management of this patient. (100 marks)

Part D

4. A 30-year old motor cyclist is brought following a road traffic accident. He is conscious with pulse rate of 64 bpm and blood pressure of 90/50 mmHg. Patient has weakness in his both upper and lower limbs. He has no other injuries.

- 4.1 Explain his cardiovascular parameters giving most likely reasons. (20 marks)
- 4.2 List ten steps that is required in his management during first 24 hours. (50 marks)
- 4.3 List three areas that need addressing in order to prevent road traffic accidents giving three examples each. (30 marks)

Part E

5. Write short notes on,

- 5.1 Complications of a longstanding multi nodular goiter. (25marks)
- 5.2 Sigmoid volvulus. (25 marks)
- 5.3 Investigations of a patient with bleeding per rectum. (25 marks)
- 5.4 Complications of gall stones. (25 marks)

[Handwritten scribbles and marks, possibly indicating '20', '50', and '30' marks for questions 4.1, 4.2, and 4.3 respectively.]