



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE
Final Examination for Medical Degrees – November 2016
SURGERY - PAPER I

Thursday 24th November 2016

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 54 year-old patient presented with altered bowel habits for few weeks. He underwent colonoscopy and biopsy of an obstructing lesion at the recto-sigmoid junction.

Four hours later he developed severe generalized abdominal pain and vomiting. On examination there was generalized abdominal tenderness. An erect chest radiography revealed gas under the diaphragm.

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

(100 marks)

Part B

2. A 30 year- old female presents with weight loss and palpitations. Her pulse rate is 110 beats per minute. On examination she has a nodule in the right lobe of the thyroid gland.

Discuss the management of this patient.

(100 marks)

Part C

3. A 40 year- old female with history of hypertension awaits routine open cholecystectomy. Her medication include Losartan 50mg twice daily . Her body weight is 135 kg.

3.1 Define obesity and morbid obesity.

(10 marks)

3.2 Briefly explain the pre-operative problems you would encounter in preparing this patient for surgery.

(30 marks)

3.3 What is your premedication plan for her?

(10 marks)

3.4 State the pre-operative fasting instructions for her.

(10 marks)

3.5 Briefly explain the post-operative complications you would expect in this patient and ways to minimize such complications.

(40 marks)

Part D

- 4.
- 4.1 Briefly explain following terms;
- 4.1.1 Fatal Triad (05 marks)
 - 4.1.2 Primary survey (05 marks)
 - 4.1.3 Hypotensive resuscitation (05 marks)
 - 4.1.4 Damage control surgery (05 marks)
 - 4.1.5 Triage (05 marks)
 - 4.1.6 Disaster mitigation (05 marks)
- 4.2 Classify abdominal injuries according to the mechanism giving an example for each category. (15 marks)
- 4.3 List the clinical features of abdominal injuries. (40 marks)
- 4.4 Name three clinical features which will be masked in a patient with an intra-abdominal Catastrophe and transection of the spinal cord at the level of 7th cervical vertebra. (15 marks)

Part E

5. A 35 years old male presents with acute retention of urine. He has a past history of a painful swelling in the perineum with hematuria for a few days following falling off a bicycle 6 months ago. Ever since the injury he had to strain to pass urine.
- 5.1 What is the most likely diagnosis? (20 marks)
 - 5.2 State the reasons for arriving at the diagnosis. (20 marks)
 - 5.3 Outline the management of this patient. (40 marks)
 - 5.4 List the likely complications due to the condition mentioned in 5.1 (20 marks)