



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA
Final Examination for Medical Degrees – November 2012
SURGERY - PAPER I

Thursday 8th November, 2012

1.00 p.m. to 04.00 p.m.
(3 hours)

Answer ALL FIVE questions.

Answer each part in a SEPARATE answer book.

Part A

- 1
- 1.1 List the steps involved in the management of a patient with multiple injuries. (50 marks)
- 1.2 A bomb blast has resulted in injuring approximately 50 people. As the first medical officer to arrive at the scene of incident, describe the measures you would carry out to provide optimal care for the injured. (50 marks)

Part B

- 2 A 52 year-old male, known to have hyperlipidaemia, underwent an emergency exploratory laparotomy following a road traffic accident. He was found to have a ruptured spleen and a splenectomy was performed. Following surgery, he was admitted to the surgical ward for monitoring. After 15 min. he was found to be restless and agitated and was tachypnoeic, tachycardic and the SpO₂ was 88% on air.
- 2.1 Comment on his O₂ saturation. (10 marks)
- 2.2 List FIVE possible reasons for his restlessness and agitation. (20 marks)
- 2.3 Briefly describe FIVE clinical features you would look for in order to arrive at a diagnosis. (30 marks)
- 2.4 Outline the management of this patient. (40 marks)

Part C

- 3 Outline the management of the following patients.
- 3.1 A 40 year old diabetic patient is admitted with fever with chills and rigors and right renal angle tenderness. His X-ray KUB showed a 1 cm radio-opaque shadow at the tip of the right transverse process of the 4th lumbar vertebra. (50 marks)
- 3.2 A 70 year-old man admitted with a history of day time incontinence and night time bed wetting. The abdominal examination revealed an intra-abdominal lump arising from the pelvis upto the level of the umbilicus. (50 marks)

Part D

- 4
- 4.1 What is the intra-abdominal solid organ which is most likely to rupture following a fall from a height. (05 marks)
- 4.2 Describe the other mechanisms of damaging the organ mentioned in 4.1 (15 marks)
- 4.3 Enumerate the clinical features of the injury mentioned in 4.1 (50 marks)
- 4.4 List the possible findings which may be seen when imaging procedures are carried out on a patient with the injury stated in 4.1 (15 marks)
- 4.5 Describe the management options available for the above organ injury. (15 marks)

Part E

- 5
- 5.1 Enumerate the signs and symptoms of acute lower limb ischemia. (20 marks)
- 5.2 List FOUR causes of acute lower limb ischaemia. (20 marks)
- 5.3 Describe the management of lower limb ischaemia due to one of the causes you mentioned in 5.2 (60 marks)