



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE.
Final Examination for Medical Degrees – December 2008
SURGERY - PAPER I

Thursday 4th December, 2008

1.00 pm to 04.00 pm
(3 hours)

Answer ALL FIVE Questions.
Answer Each Part in a SEPARATE Answer Book.

Part A

A 50 year old previously healthy man weighing 108 kg undergoes a left nephrectomy for renal cell carcinoma. In the recovery he was found to have the following findings while he was on 40% Oxygen (4L-O₂) through a face mask.

His respiratory rate was 44 /min and Oxygen saturation of blood (SPO₂) was 90%.

- Comment on his respiratory rate and Oxygen saturation. (15 marks)
- What are the probable causes for this clinical picture? (35 marks)
- List briefly the other clinical features that you would look for in order to arrive at a diagnosis. (25 marks)
- Outline the management of this patient. (25 marks)

Part B

- What is the aim of primary survey in the management of a patient with multiple injuries? (10 marks)
- A 30 year old motorcar driver is admitted 30 minutes after collision with a lorry. On admission he complains of pain over the right side of the chest and right upper abdomen. His pulse rate is 130/min. Respiratory rate is 28/min and blood pressure is 90/60 mmhg. He also has pain and deformity in the right thigh. Outline the management of this patient. (70 marks)
- List 10 measures which could be adopted by the society to prevent road traffic accidents. (20 marks)

Part C

60 year old previously healthy man presented to the surgical casualty ward with a four day history of abdominal pain, gross abdominal distension and absolute constipation. On examination his pulse rate was 108/min, blood pressure was 100/70 mmhg. There was generalized abdominal tenderness and rigidity. Erect chest x-ray revealed a pneumoperitonium.

Describe the management of this patient. (100 marks)

Part D

A 70 year old man was admitted to casualty surgical ward with a history of right iliac fossa pain of 5 days duration. On examination, his temperature was 99.4° c. Abdominal examination revealed a tender mass in the right iliac fossa.

- What is the most likely diagnosis? (30 marks)
- What are the other conditions that you would consider in the differential diagnosis? (20 marks)
- Outline the management of this patient. (50 marks)

Part E

- List the complications of a long standing multinodular goitre (35 marks)
- Outline the special preparation for thyroidectomy for a toxic goitre. (25 marks)
- Enumerate the complications of total thyroidectomy. (40 marks)