



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE.
Final Examination for Medical Degrees - November, 2004
SURGERY - PAPER I

Monday 29th November, 2004

9.00 am to 12.00 noon
(3 hours)

Answer ALL FIVE Questions.

Answer Each Part in a SEPARATE Answer Book.

Part A

1. A motor car driver is admitted to the casualty surgical unit following a head on collision with another vehicle. On admission he is fully conscious and communicative. He is complaining of right sided chest pain and worsening breathlessness. On examination he is dyspnoeic cyanosed and there is bruising over the right upper chest.
 - 1.1 State two most probable causes for his progressive respiratory distress. (40 marks)
 - 1.2 List the physical signs in the respiratory system that would lead to the diagnoses given in 1.1. (20marks)
 - 1.3 What would be the most important therapeutic procedure to treat causes given in 1.1 that would improve his respiratory function? (25marks).
 - 1.4 List the other potentially lethal injuries in the thorax and the abdomen he may have sustained that may not be apparent during primary survey. (15 marks)

Part B

- 2.1 List the factors predisposing to post operative respiratory complications. (25 marks)
- 2.2 What are the clinical features of hypoxaemia in a patient who has undergone an upper abdominal operation two days previously? (25 marks)
- 2.3 List the possible causes of hypoximia in a patient as mentioned in scenario given in 2.2 and indicate treatment strategies. (25 marks)
- 2.4 What is the most important investigation that would confirm the underlying cause for the hypoxaemia? Indicate the findings in this investigation that would support the diagnosis of the conditions you have mentioned in 2.3. (25 marks)

Part C

- 3.1 List the lower urinary tract symptoms. (10 marks)
- 3.2 List five possible causes for acute retention of urine in a seventy year old man. (15 marks)
- 3.3 List three clinical features essential to make a diagnosis of acute retention of urine. (15 marks)
- 3.4 Outline the management of a seventy year old man presenting with acute retention of urine. (60 marks)

Part D

4. A thirty year old previously healthy man is admitted four hours after a stab injury just below the umbilicus
 - 4.1 What are the physical signs you would specifically look for in the general examination of this man? (25 marks)
 - 4.2 What are the physical signs you would specifically look for in examination of the abdomen of this man? (25 marks)
 - 4.3 List the clinical features that indicate the need for resuscitation of this man. (20 marks)
 - 4.4 Outline the management of this man if he needs resuscitation. (20 marks)
 - 4.5 If this man dies two days after admission what is the likely reason for death. (10 marks)

Part E

5. A twenty five year old motorcyclist is admitted with a fracture of upper tibia following a road traffic accident. He does not have any other injuries.
 - 5.1 What are the important clinical features you would look for in local examination? (30 marks)
 - 5.2 Enumerate the likely causes for deterioration in level of consciousness in this man 48 hours after