



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE.

Final Examination for Medical Degrees - March/April 2002

SURGERY - PAPER I

Thursday 14th March, 2002

9.00 am to 12.00 noon
(3 hours)

Answer ALL FIVE Questions.

Answer Each Part / Question in a SEPARATE Answer Book.

Part A

1. You are the house officer in the Surgical Casualty ward. You received a telephone call from the Police Station at 6.15 p.m. warning you of a possible large number of casualties (approximately 20 - 30) been brought in following a fight between two rival political fractions. First group of patients is expected to arrive in 30 - 45 minutes.
 - 1.1 Describe the immediate steps you would take and arrangements you would make before the patients arrive. (30 marks)
 - 1.2 How would you contribute towards minimizing loss of life amongst the large number of patients who are brought in. (70 marks)

Part B

2. A 55-year-old previously healthy male labourer is admitted to the surgical casualty ward following a fall on a wooden spike. He is complaining of pain in the anus and in the lower abdomen with bleeding per rectum. He has passed blood stained urine after the injury.
 - 2.1 Outline the clinical assessment of this patient. (25 marks)
 - 2.2 How could the investigations assist in managing this patient? (25 marks)
 - 2.3 Outline the management of this patient. (25 marks)
 - 2.4 What are the likely long-term complications? (25 marks)

Part C

3. Describe the steps to be followed in resuscitating a road traffic accident victim highlighting the iatrogenic complications that can arise during this stage. (100 marks)

Part D

4. Enumerate the causes and discuss the management of the following conditions.
 - 4.1 A 45-year-old female who underwent a subtotal thyroidectomy for a long-standing multinodular goiter who developed difficulty in breathing about two hours after surgery. (40 marks)
 - 4.2 A 65-year-old male patient who presented to the casualty ward with a bout of haematemesis. (40 marks)
 - 4.3 A 10-year-old boy referred from the Paediatric Unit with a six-hour history of right-sided scrotal pain and swelling. (20 marks)

Part E

5. 5.1 A 59-year-old woman was admitted with a one week history of progressively severe crampy lower abdominal pain and distension. She has not opened the bowels for 5 days, felt nauseated and had vomited twice over the previous two days.

5.1.1 What is your working diagnosis? *(20 marks)*

5.1.2 State one radiological investigation that would confirm your diagnosis. *(10 marks)*

5.1.3 State your initial management of this patient. *(20 marks)*

5.2 A 4 day old neonate was admitted with progressive abdominal distension and failure to pass meconium since birth. Rectal examination on this patient was followed by a spontaneous passage of large quantity of meconium.

5.2.1 List the causes of large bowel obstruction in the newborn. *(20 marks)*

5.2.2 State the possible diagnosis. *(10 marks)*

5.2.3 Write a short note on its pathogenesis. *(20 marks)*