



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE.
Final Examination for Medical Degrees – September 2009
SURGERY - PAPER I

Monday 7th September, 2009

1.00 pm to 04.00 pm
(3 hours)

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

Part A

1. A 32 year old woman developed severe jaundice, fever with chills and acute onset right hypochondrial pain of 3 days duration.
- 1.1 What is the most likely diagnosis? (10 marks)
1.2 List the investigations necessary for the management of this patient indicating their relevance. (40 marks)
1.3 Discuss briefly special preoperative preparations for this patient. (30 marks)
1.4 What surgical procedures are available for definitive treatment? (20 marks)

Part B

2. Write short notes on
- 2.1 Sigmoid volvulus. (25 marks)
2.2 Deep Vein Thrombosis (DVT) prophylaxis. (25 marks)
2.3 Antibiotic prophylaxis in surgery. (25 marks)
2.4 Relevance of gas under the diaphragm in a chest x-ray. (25 marks)

Part C

- 3.
- 3.1 List key stages of advanced trauma life support (ATLS) protocol. (30 marks)
3.2 A 30 year old man present with 25% burns involving face, neck, upper trunk and upper limbs following a kitchen fire.
Outline the management of this patient in the first 48 hours. (70 marks)

Part D

4. A 60 year old man was admitted to the casualty surgical ward with 6cm long superficial wound over his right forearm and bruises over the right hemi thorax following a road traffic accident. He has been taking treatment for hypertension and diabetes for the last 20 years. His body weight was 70 kg.
- 4.1 What is your choice of local anaesthetic for suturing of this wound? (10 marks)
4.2 How would you calculate the dose of local anaesthetic for this patient? (20 marks)
4.3 After 15 minutes of the local anaesthetic infiltration, the patient complained of difficulty in breathing. He was agitated and restless. Write 4 differential diagnoses. (30 marks)
4.4 What are the other relevant clinical features you would look for in order to arrive at a diagnosis? (40 marks)

Part E

5. Write short notes on
- 5.1 Uses of endoscopy in gastrointestinal diseases. (25 marks)
5.2 Important steps in the management of a compound fracture of tibia and fibula. (25 marks)
5.3 Investigation of a patient with bleeding per rectum. (25 marks)