



FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE
Final Examination for Medical Degrees – December 2011
SURGERY - PAPER I

Thursday 8th December, 2011

3 hours (1.00 pm to 4.00 pm)

Answer ALL FIVE Questions.

Answer Each Part in a SEPARATE Answer Book.

Part A

1. Injuries to ureter can occur in different ways.
 - 1.1. Classify the ureteric injuries according to the
 - 1.1.1. aetiology. (30 marks)
 - 1.1.2. anatomical site (10 marks)
 - 1.2. Describe the presentation of different types of ureteric injuries. (15 marks)
 - 1.3. List the factors which will determine the type of repair of ureteric injuries. (15 marks)
 - 1.4. List three imaging techniques that can be used to diagnose ureteric injuries (10 marks)
 - 1.5. List the techniques of repair of ureteric injuries. (20 marks)

Part B

2. 60 year old woman who underwent an emergency exploratory laparotomy was found to have a perforated peptic ulcer.

She was known to have hypertension and diabetes mellitus, which were well controlled.

Two days later she complains of difficulty in breathing. Her respiratory rate is 32/min and O₂ saturation is 85% on O₂ face mask.

- 2.1 Comment on her respiratory rate and O₂ saturation. (5 marks)
- 2.2 List five (05) possible reasons for her current condition. (25 marks)
- 2.3 What are the other clinical features you would look for, in order to arrive at a diagnosis? (20 marks)
- 2.4 What are the investigations you would request? (20 marks)
- 2.5 Outline the treatment of this patient. (30 marks)

Part C

3.
 - 3.1 Define the different degrees of burn injury. (20 marks)
 - 3.2 30 year old man was admitted to A&E department having jumped out from a first floor window to escape fire. Examination revealed him to have 25% burns covering front of the neck, trunk and thighs. His weight was 68kg. Outline the management of the patient during the first 36 hours. (80 marks)

Part D

4. 50 year old male patient underwent colonoscopy due to recent alteration of bowel habits. A biopsy was obtained from a malignant looking lesion at the recto-sigmoid junction.

Describe the management of this patient. (100 marks)

Part E

5. A 44 year old man attends the A&E department following an assault with a club on his head. He did not lose consciousness. He is fully oriented with no neurological signs. He has a 3 cm laceration on his forehead 1 cm above the left eye brow. On palpation a dent is felt in the underlying bone.

- 5.1 What investigations are necessary to assess the injury and subsequent management? (30 marks)
- 5.2 List 6 complications that could occur in this patient. (30 marks)
- 5.3 Describe the acute management of this patient. (40 marks)