

**UNIVERSITY OF JAFFNA**  
**FACULTY OF MEDICINE**  
**FINAL EXAMINATION FOR MEDICAL DEGREES DECEMBER 2009**  
**SURGERY PAPER II**

**DATE: 07-12-2009**

**TIME ALLOWED : 3 ½ HOURS**  
**TIME: 1.00PM-4.30PM**

**ANSWER ALL 10 QUESTIONS**

**ANSWER EACH PART IN A SEPARATE ANSWER BOOK**

**PART A**

1. A 35 year old lady was admitted with a history of RIF pain for last eight hours. She had no previous history of abdominal pain or any other illnesses.
  - 1.1. Mention 3 causes for her abdominal pain (15 marks)
  - 1.2. Mention 4 investigations to arrive at a diagnosis and enumerate how these investigations will help to arrive at a diagnosis (40 marks)
  - 1.3. Mention two complications of each of the conditions listed in 1.1 (15 marks)
  - 1.4. Briefly describe the management of this patient (30 marks)
  
2. Briefly outline the complications and the available modalities of treatment for each of the following conditions
  - 2.1. Phimosis in a child (25 marks)
  - 2.2. In-growing toe nail of big toe (25 marks)
  - 2.3. Hashimoto's thyroiditis (25 marks)
  - 2.4. Acute epididymo orchitis (25 marks)
  
3. 70 year-old male patient was admitted with symptoms of bladder out flow obstruction for the last 6 months. He also had severe low back pain for last one month not responding to any of the regular analgesics. The lumbo- sacral x-ray revealed a pathological fracture of L3 vertebra.
  - 3.1 What is the possible diagnosis of this patient? (10 marks)
  - 3.2 Mention 3 investigations with interpretation which are useful to arrive at a diagnosis. (30 marks)
  - 3,3 What types of bony lesions you will expect in this patient? (10 marks)
  - 3.4 Brief out the investigations that help to stage the disease. (20 marks)
  - 3.5 Mention the treatment modalities available for this patient. (30 marks)

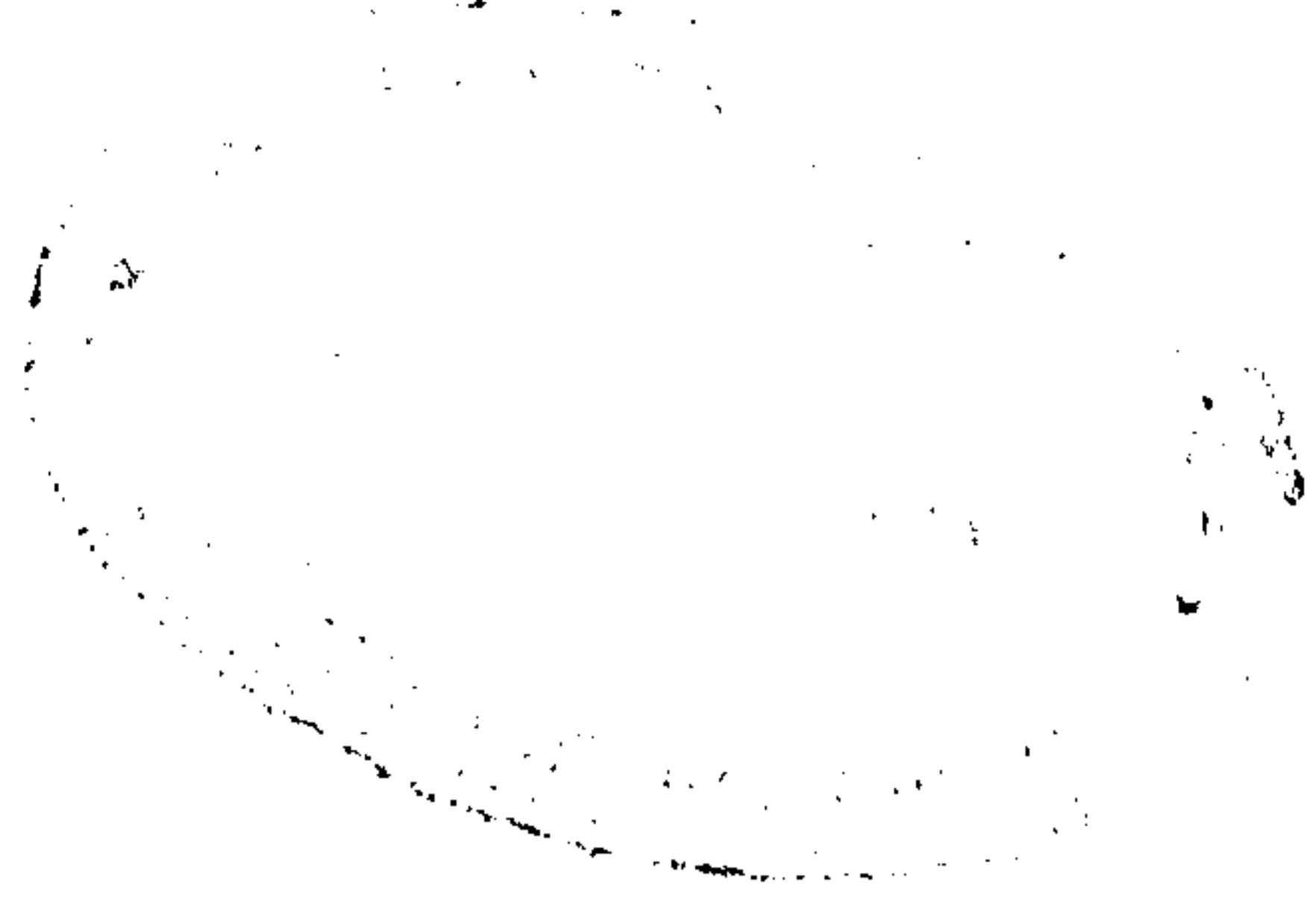
4. A 25 year-old male patient was admitted to the casualty ward following road traffic accident. He sustained head injury and found to be semiconscious. On examination no other injuries to the limbs, trunk or chest were present.
- 4.1. How will you assess this patient clinically? (25 marks)
  - 4.2. What investigations you will request to this patient? (20 marks)
  - 4.3. Mention the immediate management of this patient on admission to the casualty ward (25 marks)
  - 4.4. Brief out the various types of intracranial injuries that may occur in this patient and describe the management of one of the above condition (30 marks)

### PART B

5. Give an account on the pathogenesis and clinical presentation of gall stones (100 marks)
6. A 25 year-old lactating mother presents with painful swelling of her left breast of five days duration with fever.
- 6.1. What is the most likely diagnosis? (20 marks)
  - 6.2. How will you manage her? (60 marks)
  - 6.3. What advice you will give her? (20 marks)

### PART C

7. A 45 year old male patient presented to the surgical clinic with the complaint of a non healing ulcer over the medial aspect of the right leg just above the medial malleolus, of nine months' duration.
- 7.1. List 3 possible causes for a non healing ulcer over the leg (15 marks)
  - 7.2. List the findings on physical examination of this patient, which will favour the diagnosis of a common ulcer in this area of the leg (20 marks)
  - 7.3. How will you confirm your diagnosis of the condition mentioned in 7.2 (15 marks)
  - 7.4. Briefly describe the pathogenesis of the condition mentioned above (20 marks)
  - 7.5. Enumerate the principles of management of this patient with above ulcer (30 marks)
8. A 35 year old female patient presented to the surgical casualty with the complaint of having bloody diarrhoea for one year. She was diagnosed to have ulcerative colitis.
- 8.1. How will you assess the severity of the disease (20 marks)
  - 8.2. List 5 extra intestinal manifestations of ulcerative colitis (20 marks)
  - 8.3. What are the complications of ulcerative colitis (20 marks)
  - 8.4. Name one investigation to confirm the disease (20 marks)
  - 8.5. Enumerate the drugs that are used to treat a patient with an acute episode of ulcerative colitis (20 marks)



**PART D**

**9.** Outline the management of each of the following:

**9.1.** A 45 year old male patient met with a Road traffic crash and sustained an open fracture of the tibia and fibula. He had no other injuries (50 marks)

**9.2.** 10 year old child was admitted to the casualty ward with a history of high fever, painful swollen right knee joint with all signs of inflammation for 2 days. All the movement of his right knee were restricted (50 marks)

**10.** Write short notes on

**10.1.** Complications of chronic suppurative otitis media (30 marks)

**10.2.** Orbital cellulitis (30 marks)

**10.3.** Post-operative pain relief (40 marks)