

UNIVERSITY OF JAFFNA, SRI LANKA
FINAL EXAMINATION FOR MEDICAL DEGREES—May 2012
SURGERY Paper II



Date: 11.05.2012

Time: 03½ hours

ANSWER ALL THE TEN QUESTIONS

Answer each question in separate answer book

Part A

- 01 A 40 year old female presents with 3 x 4 cm painless lump in the upper outer quadrant of left breast of 4 months duration.
- 1.1 What is the most likely diagnosis? (10 Marks)
- 1.2 What additional physical signs will support your diagnosis? (20 Marks)
- 1.3 Briefly describe the steps you will take to confirm your diagnosis. (30 Marks)
- 1.4 Briefly describe the treatment of this patient (40 Marks)
- 02 A 60 year old man presents with painful swelling of right leg and foot of 3 days duration.
- 2.1 List the possible differential diagnosis. (25 Marks)
- 2.2 If the patient had a minor abrasion over the right foot prior to the onset of the symptoms, give the most likely diagnosis and enumerate the physical signs found in that condition. (25 Marks)
- 2.3 How will you further investigate the patient? (25 Marks)
- 2.4 Outline the management of this patient? (25 Marks)

Part B

- 03 A six month old baby boy was admitted to the surgical casualty ward with a history of vomiting 3 to 4 times for last 12 hours. Mother of the child told that the child screamed with episodic intervals and passed red currant jelly stools once.
- 3.1 What is the most probable diagnosis? (05 Marks)
- 3.2 Mention three causes for this condition (15 Marks)
- 3.3. Mention two investigations with the interpretations to diagnose the condition. (40 Marks)
- 3.4 Briefly discuss the treatment options available for this baby. (40 Marks)
- 04 Write notes on,
- 4.1 Presentation of renal cell carcinoma (40 Marks)
- 4.2 Phimosis in an adult (30 Marks)
- 4.3 Acute epididymo-orchitis (30 Marks)

Part C

- 05 A 60 year old male patient presented to the surgical clinic with lower urinary tract symptoms (LUTS) of six months duration. On digital rectal examination he was found to have moderately enlarged prostate gland. Investigation revealed that he had Benign Prostate Hyperplasia (BPH) with normal renal function. He was treated with medication and he had a good symptom improvement. He was advised to follow surgical clinic
- 5.1 What is mentioned by the term “lower urinary tract symptoms”(LUTS) (20 Marks)
- 5.2 List the causes for LUTS (20 Marks)
- 5.3 How will you make a diagnosis of BPH (20 Marks)
- 5.4 Briefly describe the medical treatment of BPH (20 Marks)
- 5.5 When will BPH be treated by surgery (20 Marks)

06 A 42 year old obese lady presented with symptomatic gall stone disease. She underwent laparoscopic cholecystectomy . Post operatively she developed obstructive jaundice. Investigation of this patient revealed a stone at the distal end of common bile duct (CBD). She underwent Endoscopic Retrograde Cholangio Pancreatography (ERCP) and removal of stone from CBD

- 6.1. What is mentioned by the term “ symptomatic gall stone disease” (20 Marks)
- 6.2. List the risk factors for cholelithiasis (20 Marks)
- 6.3. How will you make a diagnosis of obstructive jaundice (20 Marks)
- 6.4. How will you prepare the patient for ERCP (20 Marks)
- 6.5. List the complications of ERCP (20 Marks)

Part D

07 A 45 year old man presented to the accident and emergency department with severe peri umbilical colicky pain, vomiting and distension of abdomen of 2 days duration. He has not passed stools for the last 4 days, but occasionally passed flatus. He has a history of gunshot injury to the abdomen 6 years ago. On examination, his abdomen was tense, but non tender. His pulse rate was 90 beats/min. and blood pressure was 130/80 mm Hg.

- 7.1 List the possible cause / causes which may account for his clinical condition (20 Marks)
- 7.2 Outline the initial management of this patient at the emergency department during the first 4 hours (40 Marks)
- 7.3 Discuss the fluid and electrolyte management of this patient for the first 24 hours (40 Marks)

08 Briefly discuss the management of the following conditions:

- 8.1 Acute retention of urine in a 70 year old man (25 Marks)
- 8.2 Bleeding from varicose veins of lower leg (25 Marks)
- 8.3 Acute anal fissure (25 Marks)
- 8.4 Pulp abscess of index finger of the dominant hand (25 Marks)

Part E

09 Write short notes on :

9.1 Diagnosis of developmental dysplasia of the hip during neonatal period (50 Marks)

9.2 Compartment syndrome (50 Marks)

Part F

10 Write short notes on:

10.1 Hypovolaemic shock (30 Marks)

10.2 Glue ear (25 Marks)

10.3 Microbial keratitis (15 Marks)

10.4 Risk factors of Glaucoma (15 Marks)

10.5 Causes of sudden loss of vision (15 Marks)