

UNIVERSITY OF JAFFNA, SRI LANKA
FINAL EXAMINATION FOR MEDICAL DEGREES MARCH 2009

SURGERY PAPER - II

Date: 05-03-2009

Time allowed : 3 1/2 Hours
9am – 12.30 pm

Answer all ten questions

Answer each question in a separate answer book

1. A 55 year old type I diabetic patient was admitted to the surgical casualty ward with a non healing ulcer over the planter surface of right foot of 3 months' duration.
 - a) List 5 clinical features which will favour the diagnosis of diabetic neuropathic ulcer in this patient. (25 marks)
 - b) Enumerate 3 possible causes for the ulcer in this patient. (15 marks)
 - c) What investigations you will perform in this patient. (15 marks)
 - d) Mention the principles in the management of this ulcer. (25 marks)
 - e) Mention the clinical problems in other systems in this diabetic patient. (10 marks)
 - f) What advice you will give to this patient regarding foot care. (10 marks)

2. A 60 year old gentleman presented to the surgical clinic with lump in left groin for 6 months
 - a) List the clinical features of the lump in this patient to confirm the diagnosis of inguinal hernia (25 marks)
 - b) Mention 5 possible predisposing factors for inguinal hernia in this patient. (15 marks)
 - c) What is the treatment for inguinal hernia? (10 marks)
 - d) List the steps you will take in preparing him for surgery. (25 marks)
 - e) Enumerate three problems you will look for in this patient after surgery, in the post operative ward rounds. (15 marks)
 - f) What advice you will give to this patient on discharge from hospital after surgery. (10 marks)

3. A patient presented with RHC pain and was diagnosed acute cholecystitis.
- a) Mention the physical signs that would support the above diagnosis in this patient. (15 marks)
 - b) Mention two investigations with interpretations to aid the diagnosis. (20 marks)
 - c) Brief out the management of this patient and indicate the various treatment options. (50 marks)
 - d) Mention the complications that can occur in this patient (15 marks)
4. Write short notes on
- a) Phimosis in a 5 year old boy (30 marks)
 - b) Solitary nodule of thyroid (40 marks)
 - c) The use of lignocain in surgical practice. (30 marks)
5. Write short notes on
- a) Otitis media with effusion (50 marks)
 - b) Management of Prostate Cancer with Painful multiple Bone Metastasis. (50 marks)
6. A 20 year old boy underwent appendisectomy for acute appendicitis. He developed fever on 3rd post operative day.
- a)
 - i) What is the type of wound he has? (5 marks)
 - ii) What are the possible causes for fever? (15 marks)
 - iii) How will you investigate and treat this patient? (30 marks)
 - b)
 - i) Describe the clinical features of pelvic abscess following appendicitis. (30 marks)
 - ii) What are the other complications of acute appendicitis? (20 marks)

7. A 40 year old gentleman underwent laparotomy for duodenal perforation 3 years back. This time he is admitted with clinical evidence of intestinal obstruction.
- a) Enumerate 2 possible causes for intestinal obstruction in this patient . (10 marks)
 - b) What are the clinical features (history and examination) that are suggestive of intestinal obstruction? (20 marks)
 - c) What is the investigation to confirm this diagnosis with reasons? (15 marks)
 - d) Clinically what are the types of intestinal obstruction? (10 marks)
 - e) What are the further investigations which are useful for resuscitation of this patient? (15 marks)
 - f) How will you resuscitate him and what are the parameters useful for assessment of resuscitation? (30 marks)
8. A 6 month old baby presents with a colicky abdominal pain and vomiting associated with passage of blood stained mucous in the stools of 24 hours duration
- a) What is the most likely surgical condition? (10 marks)
 - b) What are the physical signs you will elicit when you examine this patient? (25 marks)
 - c) How will you investigate this patient? (25 marks)
 - d) How will you manage this patient? (40 marks)
9. A 40 year old lady complains of intermittent blood stained nipple discharge of 3 months duration.
- a) What is the likely pathological condition? (10 marks)
 - b) How will you further investigate this patient? (40 marks)
 - c) How will you treat the above condition? (50 marks)
10. Write notes on
- a) Acute osteomyelitis (35 marks)
 - b) Management of congenital talipes eqino varus on a newborn (35 marks)
 - c) Osteoarthritis of the Knee joint (30 marks)