

KENYA MEDICAL TRAINING COLLEGE



FACULTY OF CLINICAL SCIENCES

DEPARTMENT OF CLINICAL MEDICINE

2015/2016 ACADEMIC YEAR

Final Qualifying Examinations for the Award of Diploma in Clinical Medicine and Surgery

JULY 2016

STREAM: Diploma
MODULE: SURGERY PAPER I
TIME ALLOWED: 3 Hours
SESSION: Morning (09.00 – 12.00 hours)
DATE: 6th JULY, 2016

GENERAL INSTRUCTIONS

- 1) Write your examination number in the spaces provided on the answer booklet
- 2) Read instructions on answer booklet KMTC/QP-08/EAB and question paper carefully
- 3) Paper I accounts for 40% of the examination scores

SECTION A – SHORT ESSAY/STRUCTURED QUESTIONS – 60 marks

- This section contains **SIX** questions
- **ATTEMPT** all questions

SECTION B – LONG ESSAY QUESTIONS – 40 MARKS

- This section contains **THREE** questions
- Attempt any **TWO** questions

SECTION A : SHORT ESSAY QUESTIONS – Answer ALL questions

1. A 65-year old man presents to you with a swollen and painful right knee joint.
 - a) Outline five (5) other areas you will explore in history taking (5 marks)
 - b) Outline five (5) investigations you will request for him and expected findings (5marks)
2. A 70-year old lady presents with pain and swelling near the right wrist joint following a fall an outstretched hand. On examination the region is swollen, tender with a dinner fork deformity.
 - a) What is the most probable diagnosis? (2 marks)
 - b) How will you manage this case? (8 marks)
3. a 30-year old man sustained mid-shaft fracture of left femur:
 - a) Outline five (5) factors that will determine the success of open reduction with internal fixation (ORIF) in this case (5 marks)
 - b) Enumerate five (5) indications of internal fixation (5 marks)
4. Enumerate ten (10) differential diagnoses of scrotal swellings. (10 marks)
5. Dysphagia is a common complain in patients suffering from oesophageal diseases.
 - a) Which other areas will you explore in history taking in a patient presenting to you with dysphagia? (5 marks)
 - b) Enumerate five (5) differential diagnoses in a 67-year old male patient with dysphagia (5 marks)
6. A patient admitted two weeks ago in surgical ward following shot wounds on the chest is later found to have a haemoglobin level of 3g/dL. After a thorough assessment you decide that he should be transfused. Write a treatment sheet indicating clear transfusion instructions (10 marks)

SECTION B: LONG ESSAY QUESTIONS – Answer 2 questions only

- ✓1. With an increase in use of motor cycle as a mode of transport in Kenya, open (compound) fractures have become common admission in surgical wards.
- a) Describe Gustilo-Anderson classification of open fractures (15 marks)
 - b) Outline the principles of treating open fractures (5 marks)
2. A 65-year old man comes to your clinic with complains of frequency, urgency, nocturia and incontinence. You suspect he has benign prostatic hypertrophy.
- a) On systemic review, which other features will you enquire about? (5 marks).
 - b) What signs do you expect to elicit to confirm your diagnosis (5 marks)
 - c) What are the complications of this condition? (10 marks)
- ✓3. A 45-year old man who works at a construction site present with a swelling on the left groin which increases in size on lifting heavy objects and disappears on lying down. He reports that the swelling first appeared about 2 years ago:
- a) What is your diagnosis? (2 marks)
 - b) What are the predisposing factors to this condition? (5 marks)
 - c) What are the differential diagnoses? (5 marks)
 - d) Enumerate complications of this condition (5 marks)
 - e) Outline its management (3 marks)