**Final Qualifying Exam for Clinical Medicine GLUK July2013**

**Pediatrics Part 1** section A. Short answer Questions

This part contains 5 essay questions. Each question carries 10 marks. Answer any 3 questions.

1. A one year old child is brought to pediatric out patient clinic with a three day history of diarrhea and vomiting. On examination the child is lethargic, has cold hands and feet. Capillary refill is>3seconds and has weak pulse. Body weight is 10 kg and has no edema.
2. What is your diagnosis and what are the possible causative agents (3marks)
3. Outline your plan of management of this patient for the next 24 hours giving details of dosages and duration of treatment. (7 marks)
4. Define and classify anemia. (4marks)
5. What laboratory test would you do to diagnose the different classes of anemia? (2 marks)
6. Outline management of anemia in a child with severe acute malnutrition(4 marks)
7. Otieno 4 years old is brought to the hospital with a 4 day history of headache, fever vomiting and anorexia. He was treated at the health centre for malaria and has completed a course of AL. On examination he is febrile, AVPU is at P and he has one tonic clonic convulsion during the examination
8. What are the differential diagnoses (4marks)
9. Which lab tests would help you make a definitive diagnosis(3 marks)
10. What is the recommended 1st line treatment for this condition(3 marks)
11. You are the clinician on duty at Rabuor health centre when a mother is brought by relatives having delivered at home 2 days ago. When you examine the baby you find a tiny infant weighing 1800g. The baby is cold with bluish lips and a weak cry.
12. List 4 signs of prematurity(3 marks)
13. What life threatening complications is this baby likely to experience(3 marks)
14. Outline your plan of management of this patient (4 marks)
15. A three year old child is brought to hospital by his step mother with a 2 month history of diarrhea, poor feeding and progressive leg swelling. He also has wounds on his legs and perineum. His weight is 7 kg. When you examine him you find he is in shock and has kwashiorkor. You get worried because the wounds on his legs look like cigarette burns and he has other wounds on his body at different stages of healing.
16. What is your differential diagnosis (3 marks)
17. What is the possible etiology of malnutrition in this child (2 marks)
18. Outline fluid management for correcting shock then list the ten steps of managing this patient (5 marks)

**Part 1 section B.**

**AN INTERDISCIPLINARY CLINICAL PRACTICE MODEL FOR CLINICAL PLACEMENT SITES IN HEALTH FACILITIES OF KENYA.**

 Essay questions. This section has 2 questions. Answer all

1. Discuss sickle cell disease, pathophysiology, diagnosis and management of sickling crises. ( 10 marks)
2. Discuss hematopoiesis and the role of different blood cell lines, the role of erythropoietin(EPO) and apoptosis.(10marks)