

**JOUST KISHI CAMPUS**  
**DIPLOMA IN COMMUNITY HEALTH AND DEVELOPEMENT**  
**HDC 2114 INTRODUCTION TO MEDICAL PARASITOLOGY & ENTOMOLOGY**  
**APRIL-MAY 2014 EXAMINATION** **TIME 2 HOURS**

---

**Instructions:** Answer question one compulsory and any other two questions.

**QUESTION ONE**

- a) Explain the following terms as used in medical parasitology and entomology;
  - i. Platyhelminthes. (2 marks)
  - ii. Endoparasites. (2 marks)
  - iii. *Musca domestica*. (2 marks)
- b) Briefly describe the clinical presentation of visceral leishmaniasis. (4 marks)
- c) Describe the life cycle of *Plasmodium malariae*. (4 marks)
- d) With the aid of a diagram draw a neat well labeled diagram of *Xenopsylla cheopis* (3 marks)
- e) Explain prevention measures of Schistosomiasis. (4 marks)
- f) Briefly describe the habits and habitats of human lice. (3 marks)
- g) Explain the public health importance of mosquitoes. (3 marks)
- h) Enumerate principles of prevention of Amoebiasis. (3 marks)

**QUESTION TWO**

Discuss Myiasis. (20 marks)

**QUESTION THREE**

Discuss the epidemiology, lifecycle, pathogenesis and prevention of African trypanosomiasis. (20 marks)

**QUESTION FOUR**

Describe the common species of cockroaches, their public health importance, life cycle and control measures. (20 marks)

**QUESTION FOUR**

- i. Discuss the public health importance and control measures of ticks. (10 marks)
- ii. Describe the pathogenesis and clinical presentation of tapeworm infection. (10 marks)