



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY  
SCHOOL OF HEALTH SCIENCES  
UNIVERSITY EXAMINATION FOR THE DEGREE IN COMMUNITY HEALTH  
AND DEVELOPMENT  
2<sup>ND</sup> YEAR 2<sup>ND</sup> SEMESTER 2018/2019  
KISUMU LEARNING CENTRE**

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**COURSE CODE: HCD 3227**

**COURSE TITLE: MEDICAL AND VETERINARY ENTOMOLOGY AND  
PARASITOLOGY**

**EXAM VENUE: STREAM:**

**DATE: EXAM SESSION**

**TIME: 1.5 HOURS**

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**Instructions:**

- 1. Answer all questions in Section A and any other 2 questions in Section B**
- 2. Candidates are advised not to write on the question paper**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room**

## Section A: (30marks)

### Answer all questions

1. List any three methods in which one can be infected with *Cryptosporidium parvum* (3marks).
2. List three methods you would use to control *Sarcoptes scabiei* (3marks).
3. Name the parasites that cause the following infections (3marks).
  - a) East Coast fever
  - b) River blindness
  - c) Human African sleeping sickness
4. List any three **vectors** of medical importance (3marks).
5. List three **hemoflagellates** of medical importance (3marks).
6. Describe a brief life cycle of *Trichomonas vaginalis* and list methods of controlling it (3marks).
7. Which three methods would you use to do a diagnosis of *Schistosoma mansoni* (3marks)?
8. Leishmaniasis is a common disease in the Baringo area in Kenya. Name the vector that transmits the disease and how you can control this disease. (3marks).
9. Describe the methods you would use to control and prevent infections with the *Diphyllobothrium latum* (3marks).
10. List three methods used to control *Pthirus pubis* (3marks)

## Section B: (40 Marks)

### Answer any two questions

1. Discuss *Plasmodium falciparum* in respect to life cycle, symptoms, diagnosis, treatment, control and prevention. (20marks)
2. Discuss *Ascaris lumbricoides* in respect to life cycle, symptoms, diagnosis, treatment, control and prevention. (15marks)
  - b) Discuss methods you would use to control **Ectoparasites** (5marks)
3. Discuss *Entamoeba histolytica* in respect to life cycle, symptoms, diagnosis, treatment, control and prevention. (15marks)
  - b) Discuss the transmission of **Toxoplasmosis** (5marks)

4. Discuss 5 methods that you would use to control **Glossina morsitans** (10 marks)
  - b) Discuss 5 methods that you would use in **diagnosis** of parasites of medical importance. (10marks)