

**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES**

FIRST YEAR END OF FIRST SEMESTER EXAMS

MAIN CAMPUS

HCD 2114: INVERTEBRATES OF MEDICAL AND VETERINARY IMPORTANCE

SECTION A: answer ALL questions in this section (3 Marks each).

1. Define the following terms;
 - a. Zoonosis
 - b. Paratenic host
 - c. Vector
2. Differentiate between definitive and intermediate host.
3. List six parasitic protozoa and the disease they each transmit.
4. Giving examples, differentiate between ectoparasites and endoparasite.
5. List the general characteristics of the cestodes.
6. (a) State the mode of infection of leishmaniasis
(b) Classify Leishmaniasis by disease manifestation
7. Name 6 different stages in the life cycle of the blood fluke *Schistosoma haematobium* and the host in which they occur
8. List the methods by which malaria can be transmitted.
9. Briefly describe the effect of arthropod vectors on human health.
10. List the economic importance of the arthropods of class insect.

SECTION B

Answer any TWO questions from this section (15 marks each)

1. Discuss the different ecological relationships that can be formed between parasites and their hosts.
2. Describe the existing and novel approaches for the control of vector-borne diseases.
3. Explain the prevention and control measures against parasitic amoeba and intestinal flagellates.
4. Discuss the adaptations of parasites to live on or in their hosts.