



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH SCIENCES

**UNIVERSITY EXAMINATION FOR THE CERTIFICATE IN COMMUNITY HEALTH
AND DEVELOPMENT**

1ST YEAR 1ST SEMESTER 2023/2024 ACADEMIC YEAR

MAIN/KISUMU CAMPUS.

COURSE CODE: HCD 1112

**COURSE TITLE: INTRODUCTION TO INVERTEBRATES OF MEDICAL
IMPORTANCE**

EXAM VENUE:

STREAM : Certificate Comm. Health n Dev.

DATE:

EXAM SESSION:

TIME:

1.30 HOURS

Instructions:

- 1. Answer all questions in section A and any other TWO 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: ANSWER ALL QUESTIONS

1. List FOUR species of the genus *Plasmodium* that causes human malaria. (4 marks)
2. Outline THREE types of parasites (3marks)
3. State THREE groups of helminthes based of medical importance to human being. (3marks)
4. State the parasites that causes the following diseases in humans. (3marks)
 - i. Urinary Schistosomiasis
 - ii. Amoebic dysentery
 - iii. Giardiasis
5. List FOUR examples of food borne parasites (4marks)
6. State THREE examples of ectoparasites. (3marks)
7. List THREE preventive methods against *Trichomonas vaginalis*. (3marks)
8. List THREE ways in which parasitic protozoa can be transmitted. (3marks)
9. Define the following terms. (4 marks)
 - a) Hypoparasite
 - b) Host
 - c) Invertebrate
 - d) Zoonotic parasite

SECTION B: ANSWER ANY TWO QUESTIONS

1. a) With relevant examples, discuss FIVE types of host (10 marks)
b) Discuss FIVE factors that determine geographical distribution of parasites. (10 marks)
2. a) Citing relevant examples discuss the importance of arthropods to parasitology. (10marks)
b) Outline THREE clinical manifestation of *Entamoeba histolytica*. (10marks)
3. a) Explain SEVEN ways in which *Ascaris lumbricoides* are adopted to parasitic mode of life (14 marks)
b) Discuss THREE preventive methods of Teaniasis. (6 marks)