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 2017/2018 ACADEMIC YEAR

MAIN CAMPUS

COURSE CODE: **HCD 1112**

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

EXAM VENUE: **STREAM: Cert. Comm. Hlth & Dev**

DATE: **EXAM SESSION:**

TIME: 1.30 HOURS

Instructions:

1. **Answer all the questions in Section A and 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

1. Outline three groups of protozoa based on theirs modes of locomotion. (3marks)
2. State three clinical features of Cryptosporidiasis. (3marks)
3. Define the following term: (3marks)

i) Vector ii) Falatulance iii) Proksryote

4. State the three possible outcomes when a aparasite is intoduced in a host. (3marks)
5. State three direct effect a parasite has on a host. (3marks)
6. State three ways in which parasitic protozoa can be trasmitted. (3marks)
7. State the causative agents for the following diseases. (3marks)

   i) Malaria ii) Toxoplasmosis iii) Trichomoniasis

8. State three ways by which flies can transmit diseases. (3marks)
9. State three characteristics of cestodes. (3marks)
10. State three preventive measures of teaniasis. (3marks)

SECTION B

1. i. Sitng relevant examples to parasitologyy, discuss the ecological associtaions. (9marks)

   ii. distiguish between flat worms and round worms. (11 marks)

2. a) Discuss the importance of the Life cycle of parasites in medical parasitology. (8marks)

   b) Discuss the life cycle of plasmodium in human host. (12 marks)

3. With examples, discuss ten types of parasites. (20marks)
4. Discuss *Taenia saginata* under the following sub headings:

   i. Life cycle (10marks)

   ii. Clinical features (5marks)

   iii. Prevention and control (5marks)