



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

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

1st YEAR 1st SEMESTER 2015/2016 ACADEMIC YEAR

KISII CAMPUS – PART TIME

COURSE CODE: HCD 1112

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

EXAM VENUE: LR 18

STREAM: (Cert. Comm Hlth & Dev)

DATE: 15/12/16

EXAM SESSION: 2.00 - 3.30 PM

TIME: 1 ½ HOURS

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 Answer all questions in this section (30 marks)

1. Define the following terms as used in medical parasitology (3marks)
 - i) Proglottid
 - ii) Embryophore
 - iii) Scolex:
2. Explain three importance of arthropode in parasitology (3marks)
3. Distinguish the following terms (3marks)
 - i) Accidental host and Accidental parasite
 - ii) Ectoparasite and endoparasite
 - iii) Medical protozoology and Medical Helminthology
4. Briefly explain three general characteristics of Mastigophora (3marks)
5. Explain three Sources of parasitic infections (3marks)
6. The following are parasitic infectious disease state how they are transmitted (3marks)
 - i) African trypanosomiasis
 - ii) Malaria
 - iii) Amebiasis
7. Explain briefly ways in which the body of an organism can react once it is invaded by infecting organism (3marks)
8. Explain three factors the influence the distribution of parasites (3marks)
9. Explain three specimens that can be selected for laboratory diagnosis for parasitic infections (3marks)
10. State three characteristic of parasites (3marks)

SECTION B Answer any two Questions (30 Marks)

1. Discuss the economic importance of parasites on the environmental biograting (15marks)
2. Discuss the life cycle, pathological manifestation, epidemiology and preventive measures of Schistosomiasis (bilharziasis) (15marks)
3. Briefly explain the classification of parasite protozoon's (15marks)
4.
 - i) Explains the preventive measures designed to break the transmission cycle of parasites. (8marks)
 - ii) Briefly discuss the types of symbiotic relationship (7marks)