



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

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

1st YEAR 1ST SEMESTER 2019/2020 ACADEMIC YEAR

KISII CAMPUS

COURSE CODE: HDC 2114

**COURSE TITLE: INTRODUCTION TO MEDICAL ENTOMOLOGY AND
PARASITOLOGY.**

EXAM VENUE: STREAM: (Dip. Comm Hlth & Dev)

DATE: 1/5/2019 EXAM SESSION: 9.00 – 10.30AM

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**

SECTION-A (30 Marks)

1. List down three(3) ways in which man can get infected with hydatid cysts (3 marks)
2. Explain why its very important to control arthropod pests(2 marks)
- 3.Host is the organism in or on which the parasite lives and causes harm. Explain the difference between an intermediate host and a definitive host (3marks)
- 4.Name the parasite which causes visceral leishmaniasis(2 marks)
- 5.Describe the parasitic adaptation of Taenia(3 marks)
- 6.mention he difference between obligate and facultative parasites(2 marks)
- 7.State the main vector of T.b rhodesience(2 marks)
- 8.Describe the general characteristics of the class chelicerata(arachnida) (3 marks)
- 9.Name the two types of cockroaches commonly found in our homesteads(2 marks)
- 10.Name conditions necessary for a parasite to survive(3 marks)
- 11.Giardiasis is caused by the parasite *Giardia lamblia* Explain in detail how the parasite is acquired in human (3 marks)
- 12.Name two helminthic diseases associated with ingestion by man of embryonated eggs in the soil(2 marks)

SECTION B-ANSWER ANY TWO QUESTIONS -30 MARKS

1. You have been invited as one of the facilitators at a workshop /seminar of various health workers from the ministry of Health. You have been requested to present a paper on how to control vectors and rodents .Then generally but precisely pinpoint the areas of emphasis (15 marks)
2. Discuss symbiosis under the following major guidelines:
Commensalism, parasitism and mutualism (15 marks)
3. Describe the public Health importance of the class insecta(15 marks)
4. Briefly discuss the life cycle of malaria (15 marks)

END