



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH SCIENCES

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

1st YEAR 1ST SEMESTER 2018/2019

KISUMU LEARNING CENTRE

COURSE CODE: HDC 2114

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

EXAM VENUE:

STREAM

DATE:

EXAM SESSION:

TIME:

1.30 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 THE QUESTIONS (30 MKS)

1. Define the following terms as used in medical parasitology;
 - a) Autoinfection (1 mk)
 - b) Diagnostic stage (1 mks)
 - c) Life cycle (1 mks)
2. State three features of cestodes (3 mks)
3. State three medical importances of fleas (3 mks)
4. State two adaptations of lice as ectoparasites (2 mks)
5. State two characteristics of intestinal protozoans (2 mks)
6. State two morphological adaptations of *Taenia saginata* (2 mks)
7. State four vector control measures (4 mks)
8. State three types of horizontal mode of transmission (3 mks)
9. State two methods that are used to prevent the spread of cysticercosis (2 mks)
10. Differentiate between the following terms;
 - a) Definitive host and intermediate host (2 mks)
 - b) Parasitism and commensalism (2mks)
11. Briefly describe the life cycle of plasmodium falciparum in the biological vector (2 mks)

SECTION B

ANSWER ANY TWO (2) QUESTIONS IN THIS SECTION (30 MKS)

1. Explain the mode of transmission, epidemiology, life cycles, clinical manifestation and control measures of *Ascaris lumbricoides* (15 mks)
2. Discuss the epidemiology, life cycle, control measures, treatment and prevention of *Fasciolopsis Buski* in humans (15 mks)
3. Describe the epidemiology, mode of transmission and life cycle of *Toxoplasma gondii* (15 marks).
4. a) Discuss the life cycle, epidemiology and control measures of *Wuchereria bancrofti* (10mks)