



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 2017/2018 ACADEMIC YEAR
MAIN CAMPUS

COURSE CODE: HDC 2114

COURSE TITLE: INTRODUCTION TO MEDICAL PARASITOLOGY AND ENTOMOLOGY

EXAM VENUE: **STREAM: Diploma 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 flagellates. (3marks)
2. State three medical importance of ticks. (3marks)
3. Define the following terms (3marks)
 - a) Prokaryote
 - b) Myiasis
 - c) Vector
4. State the three possible outcomes when a parasite is introduced in a host. (3marks)
5. State three preventive measures of *Giardia lamblia* (3marks)
6. State three ways in which parasitic helminthes can be transmitted. (3marks)
7. State the causative agents for the following diseases (3marks)
 - a) Balantidiasis
 - b) Toxoplasmosis
 - c) Trichomoniasis
8. State three ways by which flies can transmit diseases. (3marks)
9. State three characteristics of nematodes (3marks)
10. State three adaptive features that enable *Ascaris lumbricoides* to survive in its host. (3marks)

Section B

1. Discuss the importance of arthropods in parasitology. (15marks)
2. i. With examples discuss six types of parasites (12marks)
ii. State three types of hosts. (3marks)
3. Discuss *Balantidium coli* under the following sub headings:
 - a. Life cycle (5marks)
 - b. Clinical manifestation (5marks)
 - c. Epidemiology (5marks)
4. Discuss the distinguishing characteristics of members of the phylum Arthropoda. (15 marks)

