



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE
2ND YEAR 2ND SEMESTER 2016/2017 ACADEMIC YEAR
KISUMU LEARNING CENTRE

COURSE CODE: HCD 3227

COURSE TITLE: Veterinary and Medical Parasitology & Entomology

EXAM VENUE: **STREAM:** BSc Community Health & Development/BSc Public Health

DATE: **EXAM SESSION:**

TIME: 2.00 HOURS

Instructions:

- 1. Answer all questions in section A and any two from 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 (Total 30 marks)

1. Define the following terms:
 - a. Parasite
 - b. Paratenic host
 - c. Zoonosis (6mks)
2. Distinguish between the following terms
 - a. Pre-patent and incubation periods. (4mks)
 - b. Commensalism and mutualism (give examples) (4mks)
3. State 5 prevention and control measures against parasitic amoebae and intestinal flagellates (5mks)
4. Name 5 major modes of transmission of parasitic worms (5mks)
5. Name any 3 diseases caused by apicomplexans, naming the causative organism. (3mks)
6. State 3 factors that contribute to the increased risks of *Cryptosporidium* waterborne outbreaks (3mks)

Section B: Answer ANY TWO Questions (Total 40 marks)

1. Discuss any 4 natural barriers a host utilizes against parasitic infections. (20mks)
2. Discuss 5 mechanisms used by parasites to evade host immune response. (20mks)
3. Discuss the lifecycle and pathology of entamoeba histolytica (20mks)
4. Discuss parasite physiological adaptations to respective environments. (20mks)