



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 (SEP – DEC, 2018) 2018/2019 ACADEMIC YEAR
NAMBALE CAMPUS

COURSE CODE: HDC 2114

COURSE TITLE: INTRODUCTION TO MEDICAL PARASTOLOGY AND ENTOMOLOGY

EXAM VENUE: HALL

STREAM: Diploma Comm. Hlth & Dev

DATE:

EXAM SESSION:

TIME: 1.30 HOURS

Instructions:

- 1. Answer QUESTION ONE (Compulsory) and any other TWO QUESTIONS.**
- 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 (30 MARKS)

1. Define the following(5mks)
 - i. Parasitism
 - ii. Commensalism
 - iii. Host
 - iv. Endoparasite
 - v. Platyhelminthes
2. Differentiate the following (6mks)
 - i. Trematodes and nematodes
 - ii. Trophozoite and cyst
 - iii. Accidental parasite and temporary parasite
3. a) What is the purpose of quality assurance in laboratory practice. (4mks)
b) What do members of arachnida use as defense mechanism?(1mk)
c) In which class of phylum arthropoda do the following belong.(3mks)
 - i. spider
 - ii. crab
 - iii. grasshopper
d) Give one example of the following parasitic protozoa (3mks)
 - i. apicomplexa
 - ii. sacromatigophora
 - iii. ciliophora
e) Name three methods of pest control.(3mks)

d) Give common names of the following (4mks)
 - i. trichuris trichuria
 - ii. enterobus vermicularis
 - iii. ascaris lumbricoides
 - iv. ancylostoma duodenal
g) what does amoeba use for locomotion(1mk)

SECTION B (40 MARKS)

1. Discuss the classification, characteristics, life-cycle, epidemiology and control of sporozoa. (20mks)
2. a) Discuss the life –cycle of taenia. (10mks)
b) Name the symptoms and explain the pathogenicity of schistosomes. (10mks)
3. Describe the causative agent and life-cycle of Trypanosomiasis. (20mks)
4. a) discuss the classification, epidemiology and control of Giardia lamblia. (7mks)

b) Describe the life-cycle of Entamoeba histolytica. (13mks)