



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR CERTIFICATE IN COMMUNITY HEALTH AND
DEVELOPMENT
1ST YEAR 1ST SEMESTER 2019/2020 ACADEMIC YEAR
KISII

COURSE CODE: HCD 1112

COURSE TITLE: INTRODUCTION TO INVERTEBRATES OF MEDICAL IMPORTANCE

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

DATE: EXAM SESSION:

TIME: 1.30 HOURS

Instructions:

- 1. Answer all the 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 Questions in this Section (30mks)

1. Define the following terms as used in medical parasitology.(3mks)
 - i) Scotex
 - ii) Mutualism
 - iii) Symbiosis
2. Explain the general characteristics of cestodes.(3mks)
3. Distinguish the following terms as used in parasitology.(6mks)
 - i) Ecto parasite and Endoparasite
 - ii) Medical protozoology and medical Helminthology
 - iii) Obligate parasites and facultative parasite.
4. The following are parasitic infectious diseases, briefly state how they are transmitted.(3mks)
 - i) Malaria
 - ii) Schistosomiasis
 - iii) Amoebiasis
5. State the Causative agents for the following diseases.(3mks)
 - i) Malaria
 - ii) Toxoplasmoniasis
 - iii) Trichomoniasis
6. State three preventive measures of taeniasis(3mks)
7. Outline three groups of protozoa based on their modes of locomotion(3mks)
8. Outline the Clinical manifestation of Ascaris lumbricoides(3mks)
9. State the three species of plasmodium.(3mks)

SECTION B. Answer any two questions (30mks)

1.
 - i) Discuss the importance of the life cycle of parasites in medical parasitology.(7mks).
 - ii) Discuss the life cycle of plasmodium in human host.(8mks)
2. Discuss the life cycle, pathological manifestation, epidemiology and preventive measures of Entamoeba histolytica.(15mks)
3. Discuss the role of parasites and economic importance on the environmental Biodegradation.(15mks)