



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
BACHELOR OF SCIENCE IN COMMUNITY HEALTH PRACTICE
END OF SEMESTER EXAMINATION APRIL 2024

UNIT CODE: CHP 132

UNIT NAME: MEDICAL PARASITOLOGY

Date: 8th APRIL 2024

Time: 2 Hours **Start:** 4.30 PM **Stop:** 6.30 PM

INSTRUCTIONS

1. This exam is marked out of 70 marks
2. This Examination comprises TWO Sections
Section A: Compulsory Question (30 Marks)
Section B: Long Answer Questions (40 Marks)
3. All questions in Section A are compulsory and Answer any TWO questions in Section B

SECTION A: SHORT ANSWER QUESTIONS

Answer all Questions (30 Marks)

1. a) State two (2) indirect effects of parasite on the host (4 Marks)
b) Outline four (4) factors determining distribution of parasites (4 Marks)
c) Highlight two (2) methods used in classification of protozoan of medical importance (2 Marks)
2. a) Identify three (3) species of flukes that infect humans (3 marks)
b) State three (3) symbiotic relationships between two organisms: (3 marks)
c) Outline four (4) preventive measures designed to break transmission of parasitic diseases (4 marks)
3. a) Outline (2) methods of reproduction among parasitic protozoa (6 Marks)
b) State four (4) ecological advantages of protozoa? (4 Marks)

SECTION B: LONG ANSWER QUESTIONS (LAQS) ANSWER ANY TWO QUESTIONS - (40 MARKS)

4. Discuss the lifecycle of Malaria infection, detailing its various stages and mechanisms, and compare and contrast different strategies for the control and prevention of malaria infection. (20 Marks)
5. Describe the clinical features of *Entamoeba histolytica* and discuss the pathogenesis of Visceral leishmaniasis, highlighting similarities and differences in their manifestations and disease mechanisms. (20 Marks)
6. Discuss the impact of Hookworm infection on human health and society (20 Marks)