



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
DIPLOMA IN COMMUNITY HEALTH PRACTICE
END OF MAY-AUGUST 2024 SEMESTER EXAMINATIONS**

UNIT CODE: DCHP 117

UNIT NAME: PARASITOLOGY

DATE: THURSDAY 8TH AUGUST 2024

TIME: TWO HOURS

START: 9.00 AM **STOP:** 11.00 AM

INSTRUCTIONS

1. This exam is marked out of 60 marks
2. This Examination comprises TWO Sections
Section A: Compulsory Question (20 Marks)
Section B: Long Answer Questions (40 Marks)
3. This online exam shall take TWO Hours
4. All questions in Section A are compulsory and Answer any TWO questions in Section B

SECTION A: COMPULSORY (30 Marks)

Short Answer Questions

1. Define
 - i. Definitive host (1 mark)
 - ii. Intermediate host (1 mark)
2. State FOUR characteristics of a successful parasite (4 marks)
3. Outline TWO morphological features of *Entamoeba histolytica* trophozoite (4 marks)
4. Highlight FOUR epidemiological zones of malaria occurrence in Kenya (4 marks)
5. Identify THREE transmission routes of parasitic helminths (3 marks)
6. State THREE symptoms associated with *Ascaris lumbricoides* infection (3 marks)

SECTION B

ANSWER ANY TWO (2) QUESTIONS (40 Marks)

Long Answer Questions

1. Malaria affects mainly children under five years and pregnant women. *Plasmodium falciparum* is responsible for most of the malaria experienced in Western Kenya. Describe
 - i. The life cycle of Plasmodium species. (10 marks)
 - ii. The manifestations of Falciparum Malaria. (10 marks)
2. Lymphatic Filariasis is an endemic disease in tropical regions. Describe;
 - a) The life cycle of Lymphatic Filariasis. (10 marks)
 - b) Pathogenicity of Lymphatic Filariasis. (10 Marks)
3. Discuss FIVE Vector control strategies in Integrated Vector Management. (20 marks)