



**AMREF INTERNATIONAL UNIVERSITY**  
**SCHOOL OF PUBLIC HEALTH**  
**DEPARTMENT OF COMMUNITY HEALTH**  
**BACHELOR OF SCIENCE IN COMMUNITY HEALTH**  
**END OF SEPTEMBER -DECEMBER TRIMESTER EXAMINATIONS 2022**

**DCHP 117: Medical Parasitology**

**Date: 2<sup>nd</sup> December 2022**

**Time: 2 hours**

**Start: 2.00 PM**

**Stop: 4.00 PM**

**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. All questions in Section A are compulsory and Answer any TWO questions in Section B
4. This online exam shall take 2 Hours
5. Do not write on the question paper. Use the back of the answer booklet for any rough work

## SECTION A: Short Answer Questions (SAQs)

Answer all Questions (20 Marks)

1. a) Outline **four (4)** ways of human exposure to parasite (4 Marks)  
b) Highlight **three (3)** direct effects of parasite on the host (3 Marks)  
c) Giving examples, outline **four (4)** factors determining the distribution of parasites (4 Marks)
2. Differentiate between:
  - i. Mutualism and Commensalism (2 marks)
  - ii. Parasitism and obligate parasite (2 marks)
3. a) Outline **three (3)** laboratory specimens for parasitological examination (3 Marks)  
b) Highlight **two (2)** ecological advantages of protozoa? (2 Marks)

## SECTION B: Long Answer Questions (LAQs)

Answer Any TWO Questions - (40 marks)

4. In reference to Malaria infection life cycle; Discuss the following stages:
  - a) Sporogony (5 Marks)
  - b) Pre-erythrocyte (5 Marks)
  - c) Erythrocytic (5 Marks)
  - d) Exo-erythrocytic. (5 Marks)
5. a) Discuss the pathology and clinical features of *Acylostoma duodenale* (10 Marks)  
b) Discuss the life cycle of *Strongyloides stercoralis* (10 mark)
6. Discuss *Schistosoma haematobium* infection in human under the following sub-heading;
  - a) Pathogenesis (5 Marks)
  - b) Life cycle (5 Marks)
  - c) Laboratory diagnosis (3 Marks)
  - d) Control and prevention (7 Marks)