



# Technical University of Mombasa

*Faculty of Applied and Health Sciences*

**DEPARTMENT OF ENVIRONMENT AND HEALTH SCIENCES**

DIPLOMA IN COMMUNITY HEALTH AND HIV MANAGEMENT  
(DCH 12S)

**AMP 2219 : BASIC PARASITOLOGY**

**SPECIAL /SUPPLEMENTARY: EXAMINATIONS**

**SERIES: OCTOBER 2013**

**TIME: 2 HOURS**

## **INSTRUCTIONS:**

You should have the following for this paper

- *Answer booklet*

This paper consists of **FIVE** questions.

Answer Question **ONE (compulsory)** and any other **TWO** questions

*This paper consists of 3 PRINTED pages*

### Question ONE

- a) Define the following terms
  - (i) Reservoir host (2marks)
  - (ii) Parasite (2marks)
  - (iii) Carrier (2marks)
  - (iv) Vector (2marks)
  - (v) Parasitic infestation (2marks)
- b) Briefly describe the lifecycle of Giardiasis (6marks)
- c) Describe clinical manifestation and measures to control *Wuchereria bancrofti* (6marks)
- d) Differentiate between *T. Sagnata* and *T. solium* by the appearance of
  - (i) Ova (2marks)
  - (ii) Scolex (2marks)
  - (iii) Proglotlider (2marks)
- e) Name the adult schistosoma species that live in penicolic veins (2marks)

### Question TWO

Discuss Giarchasin outlining

- a) Transmission (5marks)
- b) Clinical features (5marks)
- c) Prevention and control measures (5marks)

### Question THREE

Discuss the various routes of transmission of parasitic diseases giving an example for each. (15marks)

### Question FOUR

Discuss plasmodium species (causing malaria in humans) outlining

- a) Lifecycle (5marks)
- b) Pathophysiology (4marks)
- c) Diagnosis (3marks)
- d) Treatment and control (3marks)

### Question FIVE

Discuss schistocomyiasis outlining its

- a) Clinical manifestation (7marks)
- b) Prevention and control measures (8marks)

