



# TECHNICAL UNIVERSITY OF MOMBASA

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FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF MEDICAL SCIENCES

**UNIVERSITY EXAMINATION FOR:**

BACHELOR OF SCIENCE IN COMMUNITY HEALTH

AML 4131: INTRODUCTION TO MEDICAL PARASITOLOGY

END OF SEMESTER EXAMINATION

**SERIES: APRIL 2016**

**TIME: 2 HOURS**

**DATE: Pick Date May 2016**

## Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** Question(s). Attempt question ONE (Compulsory) and any other TWO questions.

**Do not write on the question paper.**

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## Paper I

### Question ONE

1. a). Explain the following terms as they are used in parasitology
  - i. Definitive host
  - ii. Ectoparasite
  - iii. Reservoir host
  - iv. Mutualism
  - v. Parasitism (5marks)
- b). Describe the effects of parasites on the mammalian host in reference to humans (10marks)
- c). Explain in detail the methods that are used in vector control programme (5marks)
- d). Explain the various modes of parasite transmission in humans (5marks)
- e). Describe the preventive measures that are crucial to successful parasite eradication (5marks)

## **Question TWO**

- a). Describe these severe infections of amoebiasis infection in man ( 10 marks)
- b). Explain the control of schistosomiasis of disease in Kenya (10marks)

## **Question THREE**

Discuss *Diphyllobothrium latum* parasite in humans (20marks)

## **Question FOUR**

Explain the lifecycle and control of *Plasmodium falciparum* infection (20marks)

## **Question FIVE**

Describe the various diagnostic methods in parasitology giving an example in each case (20 marks)