



TECHNICAL UNIVERSITY OF MOMBASA

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.

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 parasite transmission in humans (5marks)
- e). Describe the preventive measures that are crucial to successful parasite eradication (5marks)

Question TWO

- a). Describe the 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)