



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF MEDICAL SCIENCES

UNIVERSITY EXAMINATION FOR:

MSC

AML5108: PARASITE CONTROL TECHNIQUES

END OF SEMESTER EXAMINATION

SERIES: APRIL 2016

TIME: 2 HOURS

DATE: 16 Apr 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 any **THREE** questions.

Do not write on the question paper.

Question ONE a) Describe the LAMP method for the detection of *P. falciparum*

- b) What advantages does it have over the current techniques?
- c) State the disadvantages over current methods of diagnosis

Question TWO Describe in detail malaria control method and state the challenges that causes upward trend of prevalence in endemic areas.

Question THREE Explain the risk factors which are implicated on the recurrence of Schistosomiasis suggest possible remedies to reduce transmission frequencies.

Question FOUR Experts consider that lymphatic filariasis, a neglected tropical disease (NTD), can be eradicated, Discuss.

Question FIVE a) Describe KATO thick smear technique for quantitation of worm burden

b) How is worm burden related to Schistosomiasis

c) How can behavior change be used to reduce transmission of bilharzia?