



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF MEDICAL SCIENCES

UNIVERSITY EXAMINATION FOR:

MMPV 15 S

APM 5110: Chemotherapy of Parasitic Diseases

END OF SEMESTER EXAMINATION

SERIES: APRIL 2016

TIME: 3 HOURS

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 Questions**. Attempt **ALL** questions.

Do not write on the question paper.

Question ONE

Describe in detail two methods used in testing drug efficacy for Soil Transmitted Helminthes infecting humans (20 marks).

Question TWO

Discuss drug resistance in three protozoan infections (*Plasmodium*, *Entamoeba histolytica*, *Trypanosoma brucei rhodesense* and *T. b. gambiense*) (20 marks).

Question THREE

Explain three modes of-action of Benzimidazoles used for treatment of helminthes (20 marks).

Question FOUR

Discuss the formulation, dosage and side effects of the three main drugs (Praziquantel, Metrifonate, Oxamniquine) used in the treatment of Schistosomiasis (20 marks).

Question FIVE

Describe three arthropod anti-parasiticial compounds commonly used worldwide (20 marks).