



# TECHNICAL UNIVERSITY OF MOMBASA

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FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF MEDICAL SCIENCES

**UNIVERSITY EXAMINATION FOR:**

MMPV 15 S

**AML 5110: Chemotherapy of Parasitic Disease**

END OF SEMESTER EXAMINATION

**SERIES:** August 2016

**TIME:** 3 HOURS

**DATE:** August 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 **three questions**.

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

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## **Question ONE**

Define drug resistance in parasitic infections of the following; Toxoplasmosis and Trichomoniasis (20 marks).

## **Question TWO**

Discuss treatment of Hydatidosis (Echinococcus) infection in human beings (20 marks).

## **Question THREE**

Describe two parasitological methods (floatac and mini-parasep - faecal concentrator) used in assessing drug efficacy (20 marks).

#### **Question FOUR**

Discuss the structural categories of anti-protozoa compounds used in treatment of humans (20 marks).

#### **Question FIVE**

Describe the mode of action of anti-arthropod compounds (ivermectin, organophosphates, arsenic trioxide) affecting the nervous system (20 marks).