



WI-2-60-1-6

**JOMO KENYATTA UNIVERSITY
OF
AGRICULTURE AND TECHNOLOGY**

UNIVERSITY EXAMINATIONS 2023/2024

**YEAR 1 SEMESTER 1 EXAMINATION FOR THE DEGREE OF MASTER OF
SCIENCE IN PARASITOLOGY & ENTOMOLOGY**

TPE 3100: MEDICAL PROTOZOOLOGY

DATE: AUGUST 2024

TIME: 3 HOURS

INSTRUCTIONS: Attempt any ^{Four}~~FIVE~~ Questions. Illustrate your answers where appropriate

1. Relate *Plasmodium* life cycle to malaria control measures [25 marks]
2. Evaluate the transmission, symptoms, laboratory diagnostic techniques, treatment and prevention of *Trichomonas vaginalis* [25 marks]
3. Appraise the various parasite and host defense mechanism [25 marks]
4. Discuss the difference between American and African Trypanosomiasis in terms of geographical distribution, causal agents, life cycle, clinical manifestations, diagnosis and treatment [25 marks]
5. Relate the life cycle of *Balantidium coli* in human host to various clinical presentations [25 marks]
6. Distinguish the different type of Leishmaniasis in terms of causal agent, geographical distribution, vectors, pathogenesis, treatment and control [25 marks]