WI-2-60-1-6

JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHOLOGY

University Examinations 2025/2026

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

TPE 3100: MEDICAL PROTOZOOLOGY

MAIN EXAMINATION

DATE: AUGUST 2026 **TIME: 3 Hours**

INSTRUCTIONS: Answer any FOUR questions. Illustrate your answers where appropriate.

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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 mechanisms. (25 marks)
4. Select differences 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 a human host to various clinical presentations. (25 marks)
6. Distinguish the different types of Leishmaniasis in terms of causal agent, geographical distribution, vectors, pathogenesis, treatment and control. (25 marks)