

CHUKA

UNIVERSITY



UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF MASTER OF SCIENCE  
IN MEDICAL PARASITOLOGY

MEPA 811: MEDICAL PROTOZOLOGY

STREAMS: MSc. MEPA

TIME: 3 HOURS

DAY/DATE: TUESDAY 22/04/2025

2.30 P.M. – 5.30 P.M.

**INSTRUCTIONS**

- Answer Question 1 (Compulsory) and any other Two Questions

1. Discuss the value of life cycles in the management of parasitic infections of medical importance. (20 marks)
2. Discuss the transmission, diagnosis, control and prevention methods for Chaga's disease (20 marks)
3. a) Describe pathogenicity due to *Entamoeba histolytica* (10 marks)  
b) Discuss epidemiological factors driving the transmission of parasitic amoebas in human populations (10 marks)
4. Discuss the morphological features of *Plasmodium* sp. and elucidate their adaptive significance. (20 marks)
5. Discuss the classification and life history of *Leishmania* (20 marks)