

CHUKA

UNIVERSITY



UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF
SCIENCE IN AGRICULTURAL EDUCATION

ZOOL 240: GENERAL PARASITOLOGY

STREAMS: BSC. AGED

TIME: 2 HOURS

DAY/DATE: MONDAY 14/04/2025

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS

- Answer all questions in Section A and any other two question from Section B

Section (30 MARKS)

- a. Define parasitism and describe different types of parasites. (3 marks)
 - b. Outline the effects of parasitism on a host (3 marks)
2. Explain the transmission and life cycle of *Plasmodium falciparum* (6 marks)
- a. Describe the diagnostic methods for detecting *Entamoeba histolytica* infections. (2 marks)
 - b. Discuss the clinical manifestations and treatment options for hookworm infections (4 marks)
- a. Explain the concept of sterile insect technique, giving examples of parasites that have been successfully controlled through it. (3 marks)
 - b. Differentiate between thin and thick blood smears (3 marks)
5. Explain methods used in the management of vector snails (6 marks)

Section B (40 marks)

6. Discuss the pathogenicity and control of the following parasites (20 marks)
 - a. *Eimeria tenella*
 - b. *Toxoplasma gondii*
 7. Describe the life cycle, diagnosis, control and treatment of *Taenia* spp (20 marks)
 8. Discuss the effects of arthropod parasites on the host including their clinical manifestations, diagnostic methods, and treatments. (20 marks)
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