

LAIKIPIA



UNIVERSITY

UNIVERSITY EXAMINATIONS

SECOND SEMESTER 2023/2024 ACADEMIC YEAR

**SECOND YEAR EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE IN AGRICULTURAL
EDUCATION AND EXTENSION (AGED)**

ZOOL 213: GENERAL PARASITOLOGY

STREAM: R

TIME: 2 HRS

DAY: MONDAY [11.30A.M – 1.30 P.M] ***DATE: 15/04/2024***

THIS QUESTION PAPER CONSISTS OF THREE (3) PAGES



PLEASE DO NOT OPEN UNTIL THE INVIGILATOR SAYS SO.**INSTRUCTIONS: Answer All Questions in Section A and TWO from Section B****SECTION A: ANSWER ALL QUESTIONS (40 MARKS)****QUESTION ONE**

Explain the following terms

- a) Parasitism (1 Mark)
- b) Obligate parasite (1 Mark)
- c) Endoparasite (1 Mark)

QUESTION TWO

Outline any **THREE** adaptations that parasites use to evade host defense mechanisms (3 Marks)

QUESTION THREE

Expound on biological control methods in management of parasitic nematodes (8 Marks)

QUESTION FOUR

Outline any **FOUR** symptoms of amoebiasis infection in humans (4 Marks)

QUESTION FIVE

Explain any **FOUR** economic importance of parasites (4 Marks)

QUESTION SIX

Outline any **FIVE** characteristics of ectoparasites (5 Marks)

QUESTION SEVEN

Outline prevention measures against tapeworm infection (5 Marks)



QUESTION EIGHT

Highlight symptoms of schistosomiasis (5 Marks)

QUESTION NINE

Outline any **THREE** effects of damage in plants caused by white flies (3 Marks)

SECTION B: ANSWER TWO QUESTIONS (30 MARKS)

QUESTION TEN

(5 Marks)

Outline symptoms of Malaria

Describe the life cycle of Plasmodium parasite (10 Marks)

QUESTION ELEVEN

Explain feeding habits in aphids and its effect on plants (8 Marks)

Describe the symbiotic relationship between aphids and ants (7 Marks)

QUESTION TWELVE

a) Describe transmission pathways of ectoparasites (5 Marks)

b) Explain the differences between ectoparasites and endoparasites (10 Marks)