



UNIVERSITY EXAMINATIONS

**SECOND YEAR EXAMINATION FOR THE AWARD OF THE DEGREE OF
BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION
SECOND SEMESTER 2022/2023
[JANUARY-APRIL, 2023]**

ZOOL 240: GENERAL PARASITOLOGY

STREAM: Y2S2

TIME: 2 HOURS

DAY: FRIDAY, 3:00 – 5:00 PM

DATE: 14/03/2023

INSTRUCTIONS

- 1. Do not write anything on this question paper.***
- 2. Answer Question ONE and any TWO other Questions in Section B.***

SECTION A (40 Mks) Attempt all questions

- Differentiate between the following terminologies

a) Endoparasites and Ectoparasites	(2marks)
b) Direct and indirect life cycles	(2marks)
c) Definitive and paratenic hosts	(2marks)
d) Vector and Zoonotic	(2marks)
- Fill in the table below

S/No	Disease	Causal Organism
a)	Human trichomoniasis	
b)	Visceral leishmaniasis	
c)	Blackhead	
d)	Amoeba	
e)	Elephantiasis	

3. Explain clearly the four developmental stages of kinetoplastid flagellates (8marks)
4. Differentiate between Visceral and Cutaneous Leishmaniasis (3marks)
5. Briefly describe the life cycle of the dog tapeworm, causal organism and control measures. (6marks)
6. Explain the life cycle of East Coast Fever in cattle, causal organism, its diagnosis and control measures. (10marks)
7. Explain the various factors that are affecting human population. (5marks)

SECTION B (30mks): Attempt any TWO questions

8. (a) Briefly describe the life cycle of *Trypanosoma spp.* (5marks)
(b) list the disease symptoms in both man and other animals. (5marks)
(c) Explain briefly the control measures of trypanosomes. (5marks)
9. Human malaria is the major killer in Africa, briefly describe its life cycle, effects to man and its control measures. (15marks)
10. Schistosomiasis is among the three worst infections of mankind and his animals, briefly describe the life cycle of *Schistosoma mansoni*, its effects to animals and control measures. (15marks)