

UNIVERSITY EXAMINATIONS

1ST SEMESTER 2022/2023 ACADEMIC YEAR

**FOURTH YEAR EXAMINATION FOR THE DEGREE OF
BACHELOR OF EDUCATION (SCIENCE)**

ZOO L 412: MEDICAL PROTOZOOLOGY

STREAM: R

TIME: 2 HRS

DAY: TUESDAY [14.30 – 16.30HRS]

DATE: 06/12/2022

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 ANY OTHER TWO QUESTIONS IN SECTION B. IN EACH SECTION, ALL QUESTIONS CARRY EQUAL MARKS. ILLUSTRATE YOUR ANSWER WITH DIAGRAMS AND GIVE EXAMPLES WHERE APPROPRIATE

SECTION A: Answer ALL Questions (40 marks)

QUESTION ONE

Describe the modes of locomotion of protozoa of medical importance.

QUESTION TWO

Describe the epidemiology of the disease caused by *Entamoeba histolytica*.

QUESTION THREE

Describe the morphological features of the Trichomonads.

QUESTION FOUR

State the clinical symptoms of Theileriosis.

QUESTION FIVE

Describe the life cycle of Plasmodium spp.

QUESTION SIX

Explain the medical importance of *Giardia spp.*

QUESTION SEVEN

Outline the morphological features of Coccidia.

QUESTION EIGHT

Describe the clinical symptoms of *Clostridium* infection.

SECTION B: ANSWER ANY TWO QUESTIONS (30MKS)

QUESTION NINE

Give a detailed account of the medical importance of Trypanosoma cruzi.

QUESTION TEN

Write an essay on Toxoplasmosis in human and livestock with emphasis on morphological and clinical features.

QUESTION ELEVEN

Write an essay on Leishmaniasis in human with emphasis on morphological, clinical features and diagnosis.

