(Knowledge for Development)

KIBABII UNIVERSITY

**UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR**

THIRD YEAR FIRST SEMESTER

SPECIAL/SUPPLEMENTARY EXAMINATION

FOR THE DEGREE OF BACHELOR OF SCIENCE BIOLOGY

COURSE CODE: SBL 322 / SZL 314

COURSE TITLE: PARASITOLOGY I

DATE: 18TH NOVEMBER 2022   **TIME: 11.00 -1.00 AM**

INSTRUCTIONS TO CANDIDATES

Answer Question one (1) and any other two (2) Questions. Question one is compulsory and carries 30 marks, the other Questions carry 20 marks each.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over

Q1.

a) With specific examples of parasites, elaborate on two types of lifecycles found in
   parasites.   (2Marks)

b) Define the following terminologies as used in parasitology   (3Marks)

   i.   Promastigote
   ii. Miracidium
   iii. Cercariae

c) Explain three control measures against of African Trypanosomiasis   (2Marks)

d) Differentiate between a trophozoite and a sporozoite   (2Marks)

e) State three modes of transmission of loiasis   (3Marks)

f) Enumerate the three types of movement in protozoan parasites giving an example for
   each   (3Marks)

g) Briefly describe three symptoms of lymphatic filariasis   (3Marks)

h) Outline three symptoms of trichomoniasis   (3Marks)

i) State two modes of transmission of Toxoplasmosis   (2Marks)

j) Distinguish between Biological and mechanical vector   (2Marks)

k) Write short notes the following,

   i.   Paratenic host   (2Marks)
   ii. Anthroponotic infection   (2Marks)

Q2. The patient has been diagnosed with urinary schistosomiasis   (20Marks)

   a) What is the causative agent?
   b) Describe the lifecycle of the parasite
   c) Outline any four symptoms
   d) Recommend the drug for treatment
   e) Explain any four control measures

Q3. Giving specific examples, explain on the effects of the parasite on the host   (20Marks)

Q4. Discuss the epidemiology, clinical presentation, and control of Onchocerciasis   (20Marks)

Q5. Discuss the morphology, lifecycle, diagnosis and control of *Entamoeba histolytica*   (20Marks)