



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2019/2020 ACADEMIC YEAR

FORTH YEAR SECOND SEMESTER SPECIAL/SUPPLEMENTARY EXAMINATIONS

**FOR THE DEGREE OF BACHELOR OF SCIENCE (BIOLOGY) AND
BACHELOR OF EDUCATION SCIENCE**

COURSE CODE: SZL 423

COURSE TITLE: PARASITOLOGY II

DATE: Monday 1st February, 2021 TIME: 2:00 – 4:00 p.m.

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 3 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating

1 a) With the aid of a diagram describe the morphology of *Trypanosoma* (3 marks)

b) Describe the symptoms of cryptosporidiosis (3 marks)

c) Explain how you would control *Giardia lamblia* (3 marks)

d) Define the following terms: (3 marks)

i. Reservoir host

ii. Definitive host

iii. Intermediate host

e) Describe briefly the symptoms of *Balantidium coli* (3 marks)

f) Describe the general characteristics of protozoan parasites (3 marks)

g) Describe the symptoms of theileriosis (3 marks)

h) Explain how you would control *Trichomonas vaginalis* (3 marks).

i) Give at least three drugs that can be used to treat Babesiosis (3 marks)

j) Describe the mode of transmission of *Entamoeba histolytica* (3 marks)

2a) Describe the life cycle and symptoms of leishmaniasis (10 marks)

b) Describe the sources of infection of Toxoplasmosis (10marks)

3a) Describe the morphology, life cycle and symptoms of *Trichomonas vaginalis* (10 marks)

b) Discuss briefly the factors that favour the spread of amoebiasis (10 marks)

4a) Describe the motility exhibited by protozoa parasites (10 marks)

b) Describe transmission mechanisms of protozoan parasites (10 marks)

5 Discuss the morphology, life cycle and control of malaria (20 marks)