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**UNIVERSITY EXAMINATIONS  
2022/2023 ACADEMIC YEAR**

**FOURTH YEAR SECOND SEMESTER**

**MAIN EXAMINATION  
FOR THE DEGREE OF BACHELOR OF SCIENCE BIOLOGY**

**COURSE CODE: SZL 329**

**COURSE TITLE: PARASITOLOGY II**

**DATE: 21<sup>ST</sup> APRIL 2023**

**TIME: 2.00 – 4.00 PM**

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**INSTRUCTIONS TO CANDIDATES**

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

TIME: 2 Hours

### QUESTION ONE

- a) Differentiate between definitive host and intermediate host (2 Marks)
- b) Outline three clinical manifestations toxoplasmosis (3 Marks)
- c) Outline the laboratory diagnosis of *Giardia intestinalis* (2 Marks)
- d) State the risk factors of cryptosporidiosis (3 Marks)
- e) Explain how you would control *Balantidium coli* (3 Marks)
- f) Give the three prevention measures against babesiosis (3 Marks)
- g) Differentiate between a trophozoite and a sporozoite (2 Marks)
- h) State the modes of transmission of chagas disease (3 Marks)
- i) Name three protozoan parasites that are vector borne (3 Marks)
- j) Briefly describe three adaptations of parasites to drug resistance (3 Marks)
- k) Using specific examples, outline three types of motility in protozoan parasites (3 Marks)

### QUESTION TWO

Discuss the life cycle, symptoms, and control malaria (20 Marks)

### QUESTION THREE

Citing specific examples, classify the protozoan parasites (20 Marks)

### QUESTION FOUR

Explain the geographical distribution, risk factors to transmission, clinical features and control of African trypanosomiasis. (20 Marks)

### QUESTION FIVE

Describe the immunological responses by the host and the way the protozoan parasites evade the host's immune attack. (20 Marks)