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**UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR**

**THIRD YEAR SECOND SEMESTER
SPECIAL/SUPPLEMENTARY EXAMINATIONS**

FOR THE DEGREE OF BACHELOR OF SCIENCE BIOLOGY

COURSE CODE: SZL 329

COURSE TITLE: PARASITOLOGY II

DATE: 15TH AUGUST 2023

TIME: 8.00 -10.00 AM

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) Outline the control of *Balantidium coli* (3 marks)
- b) Explain the clinical features of *Giardia lamblia* (3 marks)
- c) Explain the mode of infection of *Trichomonas vaginalis* (3 marks)
- d) Explain laboratory diagnosis of *Entamoeba histolytica* (3 marks)
- e) Giving specific examples of parasites, elaborate on two types of lifecycles found in protozoan parasites (4 marks)
- f) Explain the control of babesiosis (3 marks)
- g) Explain the diagnosis of *Cryptosporidium parvum* (3 marks)
- h) Using relevant examples give any three sources of protozoan infections (3 marks)
- i) Write short notes on opportunistic Parasites (2 marks)
- j) With relevant examples of parasites, give three specimens used in the diagnosis of protozoan parasites (3 marks)

QUESTION TWO

Explain the effects of parasites on hosts (20 marks)

QUESTION THREE

Describe the morphology, life cycle and symptoms of *Leishmania* parasites (20 marks)

QUESTION FOUR

Discuss the advances in development of vaccines against parasitic protozoans (20 Marks)

QUESTION FIVE

Discuss the physiology of protozoan parasites (20 marks)