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(Knowledge for Development)

**UNIVERSITY EXAMINATIONS
2020/2021 ACADEMIC YEAR**

FOURTH YEAR SECOND SEMESTER

MAIN EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF EDUCATION SCIENCE

COURSE CODE: SZL 423

COURSE TITLE: PARASITOLOGY II

DATE: MONDAY 4TH OCTOBER, 2021 TIME: 9:00 – 11:00 a.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 2 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating

QUESTION ONE

- a) Give three clinical syndromes of leishmaniasis (3 Marks)
- b) Briefly explain how human genetic factors affect the transmission of malaria (3 Marks)
- c) Outline three clinical manifestations toxoplasmosis (3 Marks)
- d) Outline the laboratory diagnosis of *Giardia intestinalis* (2 Marks)
- e) Explain the control of *Entamoeba coli* (3 Marks)
- f) State the risk factors of cryptosporidiosis (3 Marks)
- g) Explain how you would control *Balantidium coli* (2 Marks)
- h) Outline the clinical features of trichomoniasis (3 Marks)
- i) Give the three prevention measures against babesiosis (3 Marks)
- j) Differentiate between a trophozoite and a sporozoite (2 Marks)
- k) State the modes of transmission of chagas disease (3 Marks)

QUESTION TWO

- a) Discuss the symptoms, prevention and control malaria (10 Marks)
- b) Give the classification of protozoan parasites (10 Marks)

QUESTION THREE

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

QUESTION FOUR

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

QUESTION FIVE

Discuss the physiology and biochemistry of various protozoan parasites (20 Marks)