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(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2017/2018 ACADEMIC YEAR

FOURTH YEAR SECOND SEMESTER SPECIAL/SUPPLEMENTARY EXAMINATIONS

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN BIOLOGY,
BACHELOR OF SCIENCE IN BIORESOURCE MANAGEMENT,
BACHELOR OF EDUCATION SCIENCE AND BACHELOR
AGRICULTURE EDUCATION AND EXTENSION**

COURSE CODE: SZL 423

COURSE TITLE: PARASITOLOGY II (Protozoology)

DATE: 12th October, 2018.

TIME: 8:00 – 10:00 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

- 1 (a) Describe the morphology of *Balantidium coli* (3 marks)
- (b) Describe the clinical features/ pathogenesis of *Giardia lamblia* (3 marks)
- (c) Explain the mode of infection of *Trichomonas vaginalis* (3 marks)
- (d) Explain the pathology of Trypanosomiasis (3 marks)
- (e) Explain the control of *Entamoeba coli* (3 marks)
- (f) Explain the prevention and control of *Trichomonas tenax* (3 marks).
- (g) Explain the pathogenesis of malaria (3 marks)
- (h) Explain the diagnosis of *Cryptosporidium parvum* (3 marks)
- (i) Describe the life cycle of *Entamoeba histolytica* (3 marks)
- (j) Give three drugs that can be used to treat human malaria (3 marks)

2 (a) Discuss control of leishmaniasis (10 marks)

(b) Describe the reproduction in protozoan parasites (10 marks)

3 (a) Explain the diagnosis of trypanosomiasis (10 marks)

(b) Describe the sporogonic phase of malaria parasite lifecycle (10 marks)

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

(b) Describe the schizogonic life cycle of malaria parasites (10marks)

5 Discuss the preventive and control measures that can be instituted against African Trypanosomiasis (20 marks)