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(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2017/2018 ACADEMIC YEAR

FOURTH YEAR SECOND SEMESTER MAIN 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: FRIDAY 3RD August, 2018.

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

- 1 a) With the aid of a diagram describe the morphology of amoeba trophozoid (3 marks)
- b) Explain the mode of transmission of human *Plasmodium spp* (malaria parasites) (3 marks)
- c) Explain how you would control *Balantidium coli* (3 marks)
- d) Define the following terms: (3 marks)
- I. Protozoology
 - II. Zoonosis
- e) Describe briefly the diagnosis of *Entamoeba histolytica* (3 marks)
- f) Describe briefly the general characteristics of protozoan parasites (3 marks)
- g) Describe briefly clinical signs and symptoms of human malaria. (3 marks)
- h) Explain the control of *Trichomonas vaginalis* (3 marks).
- i) State three drugs that can be used to treat giardiasis (3 marks)
- j) Describe the mode of transmission of *Entamoeba histolytica*. (3 marks)
- 2 a) Explain how protozoan parasites obtain their nutrients. (10 marks)
- b) Describe the mode of infection of toxoplasmosis (10marks)
- 3 a) Describe the life cycle of *Trichomonas vaginalis*. (10 marks)
- b) Discuss briefly factors that favour the spread amoebiasis of (10 marks)
- 4 a) Describe the motility exhibited by protozoan parasites. (10 marks)
- b) Describe transmission mechanisms of named protozoan parasites. (10 marks)
- 5 Discuss the prevention and control of malaria. (20 marks)