

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE AND
BACHELOR OF EDUCATION SCIENCE

ZOOL 440: PROTOZOOLOGY

STREAMS: B.Sc , B.Ed

TIME: 2 HOURS

DAY/DATE: FRIDAY 8/12/2017

2.30 A.M - 4.30 A.M.

INSTRUCTIONS:

- Answer ALL the questions in Section A and any TWO in Section B

SECTION A: [30 MARKS]

1. Outline the life cycle of *Trypanosma brucei* [5 Marks]
2. Distinguish between amastigotes and promastigotes of *Leishmania* [5 Marks]
3. Describe pathogenesis due to *Balantidium coli* in humans [5 Marks]
4. Explain human immune responses to plasmodial infection. [5 Marks]
5. Describe the morphology of *Giardia lamblia* [5 Marks]
6. Describe the adaptive mechanisms by protozoan parasites to evade host immune attack. [5 Marks]

SECTION B [40 MARKS]

7. Discuss lifecycle, pathology, diagnosis, treatment and control of Trichomoniasis. [20 Marks]
 8. (a) Using suitable examples, describe the role of different types of hosts of protozoan parasites. [10 Marks]
(b) Discuss the effects of parasites on their hosts [10 Marks]
 9. Citing relevant examples, discuss the laboratory specimens used in diagnosis of various protozoan infections. [20 Marks]
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