



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2011/2012

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
(ANIMAL HEALTH)

SZH 300: VETERINARY AND MEDICAL PROTOZOOLOGY

DATE: Wednesday 28th March, 2012

TIME: 11.00 a.m. – 1.00 p.m.

INSTRUCTIONS

Answer ALL questions from Section A and any ONE question from Section B. Within a section, all questions carry equal marks. Illustrate your answers with diagrams and give examples where appropriate.

SECTION A – Answer ALL questions (40 marks).

1. Using examples describe briefly the mechanisms of motility used by various protozoa.
2. Describe briefly the aetiology and pathogenesis of cryptosporidiosis in immunocomprised human patients.
3. Describe briefly the life cycle of *Theileria parva parva* and how the various parasitic stages can be used in diagnosis of East Coast Fever.
4. Describe briefly the life cycle of *Tritrichomas foetus* and the morphological features used in diagnosis of bovine trichomoniasis.
5. Describe the various transmission methods used by the parasites in the trypanosomatids group. Give examples.
6. Using examples, discuss briefly the various types of reproduction found in protozoan parasites.
7. Describe briefly the epidemiological factors associated with the occurrence of babesiosis in cattle in Kenya.
8. Explain the major differences between Rhodesians and Gambiense forms of human trypanosomiasis.

SECTION B – Answer any ONE question (30 marks).

9. Discuss the aetiology, pathogenesis, clinical signs, treatment and control of coccidiosis in domestic chicken.
10. Discuss the pathogenesis and the various strategies used in the treatment and control of bovine trypanosomosis in Kenya.

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