



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2010/2011
FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
SZL 405: MEDICAL PROTOZOOLOGY

DATE: Friday 26th November, 2010

TIME: 2.00 p.m. – 4.00 p.m.

INSTRUCTIONS

Answer all questions in Section A and any one question in Section B. Illustrate your answers with diagrams and give examples wherever appropriate.

Section A : Answer all questions (40 marks)

1. Outline the aetiology and epidemiology of African trypanosomiasis in humans.
2. Describe briefly the life cycle of *Plasmodium* parasites in both the vector and vertebrate host.
3. Using examples explain the modes of reproduction in parasitic protozoa.
4. Describe briefly the pathology and clinical manifestations of Chaga's disease.
5. Explain antigenic variation in African trypanosomes and its advantages to the parasite.
6. Describe the main pathology and clinical symptoms of malaria.
7. Outline the methods used in the control of visceral leishmaniasis
8. Describe fecal-oral transmission of protozoan parasites.

Section B : Answer any one question (40 marks)

9. Write an essay on cutaneous leishmaniasis
10. Discuss transmission, pathology and methods for control of giardiasis.