



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2011/2012

**IBP DECEMBER 2011 SESSION EXAMINATION FOR THE DEGREE OF
MASTER OF SCIENCE**

SZL 546: IMMUNOLOGY OF PARASITIC AND INFECTIOUS DISEASES

DATE: Friday, 4th May, 2012

TIME: 9.00 a.m. – 12.00 p.m.

INSTRUCTIONS:

ALL questions carry equal marks. Illustrate your answers with diagrams and give examples where appropriate.

Answer any FOUR questions.

1. Give detailed description of the role of lymphocytes in the host immune defense mechanism against parasitic infection.
2. Describe in detail the mechanism and major functions of innate immune system in parasitic infections of the vertebrate.
3. Describe in detail the immune pathogenesis and the immune pathology in lymphatic filariasis.
4. Describe the antigen immune evasion strategies in trypanosome infection, the resulting immune pathogenesis and the immunopathology in the human host.
5. Discuss hypersplenism in *Plasmodium falciparum* infection and in visceral leishmaniasis in humans.

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