



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2009/2010

INSTITUTIONAL BASED PROGRAMME

EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE

SZL 541: CELLULAR IMMUNOLOGY

DATE: WEDNESDAY, 28TH APRIL 2010

TIME: 2.00 P.M. - 5.00 P.M.

INSTRUCTIONS:

Answer any FOUR questions.

All questions carry equal marks.

Illustrate your answers with diagrams and give examples where appropriate.

1. With reference to the structure of the thymus discuss the selection and maturation of T cells.
2. Discuss the role of MHC in antigen processing and presentation.
3. Discuss the critical considerations in organ transplantation and management.
4. Explain the mechanisms of T and B cell activation and role played by the latter in antibody production.
5. Discuss the concept of immunological tolerance in relation to autoimmunity.
