



# KENYATTA UNIVERSITY

## UNIVERSITY EXAMINATIONS 2010/2011

### INSTITUTIONAL BASED PROGRAMME (IBP) AUGUST SESSION

### EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE

### SZL 542: IMMUNOCHEMISTRY

DATE: MONDAY, 2<sup>ND</sup> JANUARY 2012

TIME: 9.00 A.M. – 12.00 P.M.

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**INSTRUCTIONS:** Answer any FOUR questions. Use diagrams where appropriate.  
All questions carry equal marks.

1. (a) Describe the types of antigens and immunogens.  
(b) Give a detailed account of the classes of adjuvants and their mechanisms of actions.
2. Describe the structural organization and functions of immunoglobulins.
3. Describe the biosynthesis and generation of antibody diversity.
4. Describe the mechanisms of complement activation and the biological functions of the activation products.
5. Describe the principles and applications of the immunochromatographic techniques.

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