



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATION 2011/2012 ACADEMIC YEAR
FIRST SEMESTER EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE

SZL 407: ADVANCED IMMUNOLOGY

DATE: Wednesday 30th November, 2011

TIME: 2.00 – 4.00 p.m.

INSTRUCTIONS:

Answer ALL Questions in Section A and only ONE Question in Section B. Use well labeled diagrams to illustrate your answer whenever appropriate.

SECTION A: (40 marks)

- Q.1) Explain granule exocytosis in CD 8 T cells.
- Q.2) Briefly describe clonal expansion and clonal selection in B cells.
- Q.3) Describe briefly Mucosa Associated Lymphoid Tissues (MALT)
- Q.4) Briefly describe the immune response to viral infections.
- Q.5) Explain hypersensitivity.
- Q.6) Briefly explain the mode of action of adjuvants.
- Q.7) Explain the consequences of immune complexes in the body.
- Q.8) Describe briefly immunological tolerance.

SECTION B: (30 marks)

- Q.9) Discuss the following:
 - (a) The biological role of the complement in the immune system.
 - (b) Phagocytes and the killing mechanisms.
- Q.10) Give a detailed account of autoimmunity.

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