



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2011/2012
SECOND SEMESTER EXAMINATION FOR THE DEGREE OF SCIENCE
(ANIMAL HEALTH)

SZH 305: CLINICAL IMMUNOLOGY

DATE: Tuesday 27th March 2012

TIME: 11.00a.m -1.00p.m

INSTRUCTIONS

Answer all questions in section A and only ONE question in section B. Use well labelled diagrams to illustrate your answer wherever possible.

SECTION A (40 MARKS)

1. Explain the importance of complement in mammals.
2. Describe briefly affinity maturation and stimulation of B cells.
3. Describe briefly the role of acute phase proteins in inflammatory responses.
4. Describe briefly the structure and functions of macrophages.
5. Explain opsonisation of microbes.
6. Explain the rheumatoid arthritis in mammals.
7. Explain central and peripheral tolerance.
8. Describe briefly the common sites of Mucosa Associated Lymphoid Tissues (MALT) and explain the role of Peyer's patches in immunity.

SECTION B (30 MARKS)

9. Discuss how a healthy adult cow deals with a pathogen in vivo.
10. Give a detailed account on the following:
 - a) Transplant antigens
 - b) Vaccines