



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2010/2011
INSTITUTIONAL BASED PROGRAMME (IBP) (AUGUST SESSION)
EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE
(IMMUNOLOGY)

SZL 545: CLINICAL IMMUNOLOGY

DATE: Friday 30th December 2011

TIME: 9.00a.m – 12.00p.m

INSTRUCTIONS:

Answer any FOUR questions. Illustrate your answers with diagrams and give examples where appropriate.

1. Discuss host defense mechanisms against protozoa that live within the macrophages.
2. The early stage of infection is often a race between the virus and host defense. Discuss this statement.
3. Write an essay on host defense mechanisms to tumors.
4. Specific immune responses to parasites contribute to tissue injury. Discuss this statements.
5. Describe each of the following:
 - a) Mechanisms by which extracellular bacteria cause disease.
 - b) Innate immunity to extracellular bacteria.