



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2011/2012
SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE
SBT 333: INTRODUCTION TO VIROLOGY

DATE: WEDNESDAY, 4TH APRIL 2012

TIME: 2.00 P.M. – 4.00 P.M.

Instructions: Answer all questions in Section A and ANY ONE from section B
Answers in section A should be written in the spaces provided on the questions paper

Section A: Short answer questions (5marks)

1. Describe one step growth curve.

2. Define the following terms:

Latency

Viral tropism

Sporadic disease

Virions

Viral adsorption

Oncogenic virus

Defective virus

Viral mutants

Bacteriophage

Helper virus

3. Describe briefly types of cell cultures.

4. Describe viral culture media constituents and their functions.

5. Describe briefly, techniques used in viral microscopy.

6. List properties of viruses.

7. Describe briefly HIV replication.

8. Describe types of viral infections and their consequences on the cell.