



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE AND BACHELOR OF EDUCATION

SBT 438: DIAGNOSTIC VIROLOGY

DATE: Thursday, 24th November, 2011

TIME: 11.00 a.m. – 1.00 p.m.

INSTRUCTIONS:

Answer **ALL** questions in Section A in the spaces provided in the question paper and **ONE** in Section B in the provided answer booklet.

Section A :

Short answer questions (5 marks each – Total 40 marks)

1. Differentiate between radial immunoassay and fluorescence test
2. Explain the techniques used in antiviral drug resistance testing.

5. Describe types of ELISA techniques in viral diagnosis

8. Describe briefly on two categories of electron microscopy.

Section B: Essay question (30 marks)

Write an essay on any of the following:-

1. Cultivation of viruses
2. Polymerase chain reaction (PCR)
3. Hybridization tests