



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE IN MICROBIOLOGY

SBT 444: MEDICAL VIROLOGY

DATE: Monday, 28th November, 2011

TIME: 11.00 a.m. – 1.00 p.m.

INSTRUCTIONS:

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

1. Define the following terms:

- a) Cytopathic effect
- b) Plaques
- c) Latent infection
- d) Syncytial
- e) Lysogeny

2. Describe Rotavirus infection
3. Differentiate between the following:
 - a) F protein
 - b) Haemagglutinin – neuraminidase glycoprotein
4. Using relevant examples describe how viruses could be controlled and prevented.
5. Describe the pathogenicity of Hepatitis B virus infection.

6. Describe the pathogenicity of Cytomegalovirus.
7. Describe briefly, pathogenesis of Herpes simplex infections.
8. Give an account of respiratory syncytial viruses infections.

SECTION B : Essay question (30 marks)

Write an essay on any one of the following:

1. Influenza Virus
2. HIV infection
3. Viral oncology

