



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2016/2017

FIRST SEMESTER EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE (MICROBIOLOGY)

SMB 807: IMMUNOLOGY AND SEROLOGY

DATE: Wednesday, 30th November 2016

TIME: 9.00 a.m. - 12.00 p.m.

INSTRUCTIONS:

ANSWER ANY FOUR OUT OF THE FIVE QUESTIONS LISTED BELOW (25 MARKS)

1. Describe the complement system pathways and their effects on host resistance to infection.
2. Write an essay on application of serology in diseases diagnosis.
3. Discuss the antigen presenting processes in infections.
4. Describe cytokines and various immunoglobins in response to infections.
5. Explain type one and type three hypersensitivity reactions.