



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2016/2017

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

SMB 803: PATHOGENIC MICROBIOLOGY

DATE: Monday, 15th May 2017

TIME: 9.00a.m-12.00p.m

INSTRUCTIONS

Answer any **FOUR** questions (25 marks each)

1. Discuss how you would proceed to analyze fecal samples so as to arrive at the causative agent.
2. Discuss *Vibrio cholerae* and how chromosomal genes get involved in causing diarrhea.
3. Explain the manifestation of “Toxic shock syndrome” in both Staphylococcal and Streptococcal cases.
4. Discuss situations which are likely to support the expression of Pneumococcal infection and how to diagnose the infection.
5. Explain the various clinical expressions of *Bacillus anthracis*, identifying in your explanation at what point it could be used as a Biological weapon.