



W1-2-60-1-6

JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY
UNIVERSITY EXAMINATIONS 2024/2025
EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE IN MOLECULAR
MEDICINE

TMM 3102: ANAEROBIC MICROBIOLOGY

DATE: DECEMBER, 2024

TIME: 3 HOUR

INSTRUCTIONS: ANSWER ONLY FOUR QUESTIONS

1. Differentiate bacteria on the basis of oxygen requirement (25marks)
2. Describe the following;
 - (i) Selective and differential media used in anaerobic bacteriology (5marks)
 - (ii) Special culture techniques for anaerobic bacteria (20marks)
3. Discuss the clinical manifestations associated with clostridial infections (25marks)
4. Discuss the pathogenesis of anaerobic bacteria infections (25marks)
5. Discuss the clinical manifestations associated with Gram positive non spore forming bacilli bacterial infections (25marks)
6. Discuss the following;
 - (i) Various sites of infections by anaerobic bacteria (15marks)
 - (ii) Treatment of anaerobic bacteria (10marks)