

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF MASTER OF SCIENCE IN
MICROBIO AND BIOTECH**

MICB 817: METHODS IN BACTERIOLOGY

STREAMS: MSC (MICROBIO & BIOTECH)

TIME: 3 HOURS

DAY/DATE : THURSDAY 15/07/2021

8.30 A.M – 11.30 A.M

INSTRUCTION

Answer any three questions

1. (a) Describe the relationship between virulence and pathogenicity in bacteria. [4 marks]
(b) Discuss the methods used in the diagnosis of plant bacterial diseases. [16 marks]
 2. Discuss the taxonomic classification of phytopathogenic bacteria. [20 marks]
 3. (a) Discuss the methods used in isolation pure colonies of bacterial. [20 marks]
(b) Discuss the medium used in the culture of bacterial plant pathogens. [10 marks]
 4. (a) Discuss the methods of breeding crops for resistance to bacterial diseases. [10 marks]
(b) Discuss the groups of symptoms that are caused by various bacterial diseases in plants. [10 marks]
 5. Discuss bacterial diseases of important crops in Kenya. [20 marks]
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