

CHUKA



UNIVERSITY

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**EXAMINATION FOR THE AWARD DEGREE OF
MASTER OF SCIENCE IN BOTANY (PLANT PATHOLOGY)**

BOTA 806: BACTERIAL PLANT DISEASES

STREAM: MSCI. Y1

TIME: 3 HOURS

DAY/DATE: MONDAY 20 /04/2020

11.30 A.M - 230 P.M.

INSTRUCTIONS:

- Answer Any Three Questions

1. Describe characteristics of the following pathogenic bacteria:
 - a) Agro bacterium [4 Marks]
 - b) Clavibacter (Corynebacterium) [4 Marks]
 - c) Erwinia [4 Marks]
 - d) Pseudomonas [4 Marks]
 - e) Streptomyces [4 Marks]
2. Discuss plant pathogenic bacteria under the following subtopics:
 - a. Morphological types. [8 Marks]
 - b. Gram's staining reaction [12 Marks]
3. Discuss methods used in identification of bacteria. [20 Marks]
4. Discuss in details, methods used to control bacterial diseases in plants. [20 Marks]
5. Discuss the bacterial blights of beans. [20 Marks]