

CHUKA



UNIVERSITY

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

BOTA 802: ADVANCED PLANT PATHOLOGY

STREAMS: MSC (BOTANY)

TIME: 3 HOURS

DAY/DATE: WEDNESDAY 22/04/2020

2.30 PM – 5.30 PM

INSTRUCTIONS:

ANSWER ANY THREE QUESTIONS

1. Using the concept of disease triangle, discuss the conditions for disease development. [20 marks]
 2. Describe inoculation of plants pathogens under the following subtopics:
 - (a) Types and sources of inoculum [12 marks]
 - (b) Pre-penetration phenomena [8 marks]
 3. Giving specific examples, discuss parasitism in plants. [20 marks]
 4. Discuss in details, steps of plant disease diagnostics. [20 marks]
 5. Discuss the mechanism of variability in plant pathogenic fungi. [20 marks]
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