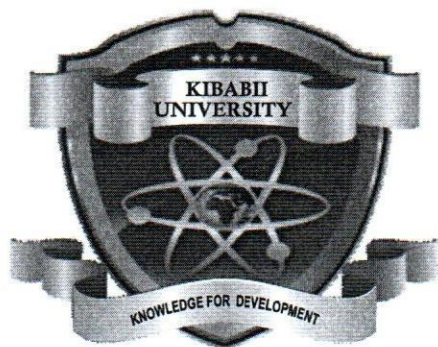


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(Knowledge for Development)

KIBABII UNIVERSITY
UNIVERSITY EXAMINATIONS
2019/2020 ACADEMIC YEAR

THIRD YEAR 1ST SEMESTER
SPECIAL/SUPPLEMENTARY EXAMINATION

**FOR THE DEGREE OF BACHELOR OF SCIENCE AGRICULTURE AND
BIOTECHNOLOGY**

COURSE CODE: SAB 332
COURSE TITLE: CROP PROTECTION


DATE: 02/02/2021.

TIME: 11-1 PM.

INSTRUCTIONS TO CANDIDATES

Answer Questions ONE and ANY other TWO Questions.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over 

KIBU observes ZERO tolerance to examination cheating

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1. (a) Give five bases of herbicide classification (10 marks)
(b) Describe the pyramid of pest management tactics (5 marks)
(c) Give five ways in which pesticides can be used to ensure safety of the user and the environment (5 marks)
(d) Distinguish between the following terms in plant pathology
(i) Pathogenic vs non-pathogenic disease (2 marks)
(ii) Susceptible vs resistant plant (2 marks)
(iii) Morphological vs Histological symptoms (2 marks)
(iv) Obligate vs Facultative pathogens (2 marks)
(v) Biotroph vs Necrotroph (2 marks)
 2. Exhaustively discuss biotic factors as causative agents of plant diseases (20 marks)
 3. Write brief notes on the plant disease diagnostic techniques stating the advantages and disadvantages (20 marks)
 4. The Maize Lethal Necrosis Disease (MLND) poses a serious threat to food security in Kenya and the East African region. Write brief notes covering etiology, host range, symptomatology, epidemiology and control of MLND. (20 marks)
 5. Write brief notes on the epidemiology of plant virus diseases, stating the factors influencing the rate of infection, role of vectors and methods of controlling virus diseases in sugarcane (20 marks)