



KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR

THIRD YEAR SECOND SEMESTER

MAIN EXAMINATION

FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION AND EXTENSION

COURSE CODE: ACR 324

COURSE TITLE: CROP PROTECTION

DATE: 6TH SEPTEMBER 2022

TIME: 2-4 PM

INSTRUCTIONS TO CANDIDATES

Answer Question One and Any other TWO (2)

TIME: 2 Hours

This Paper Consists of 2 Printed Pages, Please Turn Over.

KIBU observes ZERO tolerance to examination cheating

COMPLIE SORV	(30 MKS)
QUESTION ONE: (COMPULSORY)a. Define the following terminologies as applied in crop pathology	
	(2 MARKS)
i. Host	(2 MARKS)
ii. Necrotroph	(2 MARKS)
iii. Hemibiotroph	(1 MARKS)
iv. Obligate pathogen	(2 MARKS)
v. Facultative pathogen	(2 MARKS)
	Describe the TWO
b. Diseases can be classified into two categories based on the causar agents.	
categories c. List any FOUR characteristics features of weeds that help their better estab	lishment and
c. List any FOUR characteristics reactives of with	
development.	(3 MARKS)
d. List THREE methods of plant disease control.	(3 MARKS)
e. List the THREE main body parts of an insect body.	(3 MARKS)
f. List THREE harmful insects to crops	
QUESTION TWO	(10 MARKS)
a. Describe the FIVE classes of Fungicides	
b. Explain the following methods of pest control	(2 MARKS)
i. Biological Pest Control	(4 MARKS)
ii. Cultural practices	(4 MARKS)
iii. Crop rotation	
QUESTION THREE	1
QUESTION THREE The disease cycle is a series of definite events, which lead to the disease deve	lopment and
pathogen propagation. Describe these events.	(20 MARKS)
patnogen propagation. Deserve are	
QUESTION FOUR	iomaina and sucking
o dies EIVE types of insect nests that cause damage unough might of i	(5 MARKS).
	(5 MARKS).
b. Briefly discuss insect anatomy under the following sub-titles	(2 MADVC)
· Normana Cristom	(3 MARKS)
	(3 MARKS)
ii. Respiratory systemiii. The digestive and excretory systems	(3 MARKS)
	(3 MARKS)
iv. Circulatory system	(3 MARKS)
v. Reproductive system	
QUESTION FIVE	(10 MADIZO)
	(10 MARKS)
a. Describe TWO categories of pests based of the first described by Weeds cause greater losses in crop yields than either insects or plant d	iseases. Describe
b. Weeds cause greater tosses in crop yields than state of the base losses	(10 MARKS)
any FIVE ways through which weeds cause these losses.	