

DATE: 25/3/2021

TIME: 8.30-10.30 AM

## **INSTRUCTIONS;**

## Instructions: Answer question ONE and any other TWO questions QUESTION ONE (30 MARKS)

a)	Explain three differences between exotic and traditional vegetables	(3 marks)			
b)	Explain FOUR antinutritional factors in vegetables	(4 marks)			
c)	Explain two classification of vegetables based on temperature adaptation	(4 marks)			
d)	Describe FOUR ways in which amaranth can be utilised for human consumption	(4 marks)			
e)	Describe THREE categories of African indigenous vegetables based on cultivation status				
		(3 marks)			
f)	Explain two agronomic differences in growing tomatoes in greenhouse compared to open				
	field	(4 marks)			
g)	Describe four climatic conditions in production of cabbage	(4 marks)			
h)	Describe four symptoms of down mildew disease in onion	(4 marks)			
SECTION B: Answer any TWO Questions (40 Marks)					
QUESTION TWO (20 MARKS)					
Discuss production of onion under the following headings					
a)	Climatic requirements	(5 marks)			
b)	Crop establishment	(5 marks)			
c)	Fertilizers and manures	(5 marks)			
d)	Harvesting and grading	(5 marks)			

Examination Irregularity is punishable by expulsion

## **QUESTION THREE (20 MARKS)**

Disc	cuss production of French bean under the following headings			
a)	Application of manures and fertilizers	(5 marks)		
b)	Grading and storage	(5 marks)		
c)	Two pests and their management in Kenya	(10 marks)		
QUESTION FOUR (20 MARKS)				
Discuss the following aspects in production of water melon				
a)	Earthing up	(5 marks)		
b)	Fertilizers and manures	(5 marks)		
c)	Pruning	(5 marks)		
d)	Mulching	(5 marks)		
QUESTION FIVE (20 MARKS)				
Disc	cuss greenhouse production of tomato under the following headings			
a)	Climate control in the greenhouse	(5 marks)		
b)	Planting beds preparation	(5 marks)		

0)	r mining beas propulation	(5 marks)
c)	Staking	(5 marks)
d)	Irrigation	(5 marks)