

DATE: 17/11/2020

TIME: 2.00-4.00 PM

INSTRUCTIONS:

Answer *ALL* questions from Section A and any other *TWO* from Section B: SECTION A: COMPULSORY (30 MARKS)

a) Explain four roles of perennial crops in mitigating climate change effects in Kenya(2 marks)

b)	i)	Explain four management practices in pyrethrum farming that would encourage		
		farmers to adopt in order to enhance production	(4 marks)	
	ii)	Describe each of the following in pyrethrum production		
		I. Harvesting	(4 marks)	
		II. False bud disease symptoms	(2 marks)	
c)	Desci	ribe three differences between Assam and China tea	(3 marks)	
d)	Expla	ain four reasons for decreasing production and utilization of sisal in Kenya	(4 marks)	
e)	Givin	ing one crop example, explain two reasons each why farmers are encouraged to carry out		
	the fo	e following practices in perennial crop production		
	i.	Shading	(2 marks)	
	ii.	Cutting back	(2 marks)	
	iii.	Rehabilitation	(2 marks)	
f)	Desci	ribe three types of pruning in tea production	(3 marks)	

g) With one specific example of a crop, describe two damages caused by top borers (2 marks)

SECTION B: Answer any TWO Questions (40 Marks)

QUESTION TWO (20 MARKS)

Explain the propagation of sugarcane under the following headings

1				
a)	Ecological conditions			
b)	Spacing requirements			
c)	Harvesting			
d)	Pest management practices			
QUESTIION THREE (20 MARKS)				
Describe macadamia production under the following headings				
a)	Climatic requirements			
b)	Pruning			
c)	Canopy management			
d)	Propagation			
QUESTION FOUR (20 MARKS)				
a)	Explain production of coconut under the headings			
	i. Weeding	(3 marks)		
	ii. Seedbed preparation	(5 marks)		
	iii. Harvesting and storage	(5 marks)		
b)	Explain seven challenges facing tea farmers that has contributed to low production in Kenya			
		(7 marks)		
QUESTION FIVE (20 MARKS)				
Describe the production of coffee under the following headings				
a)	Climatic requirements			
b)	Pruning			
c)	Coffee berry disease symptoms (6			

d) Fertilization

(5 marks)