

This examination paper consists of 2 pages

Time Allowed: 3 hours

Total Marks: 100

Special Requirements: None

INSTRUCTIONS

- 1. Answer all questions in Section A, and any three in Section B
- 2. Section A carries 40 marks and Section B carries 60 marks

Copyright: Gwanda State University 2021

SECTION A (40 MARKS) ANSWER ALL QUESTIONS

1.	a. Draw up a planting calendar for a Zimbabwean farm specializing in the following	g crops:
	i. Butternut	[1]
	ii. Cabbage	[1]
	iii. Green beans	[1]
	iv. Green mealies	[1]
	v. Onion	[1]
	vi. Peas	[1]
	vii. Potato	[1]
	viii. Squash	[1]
	ix. Water melon	[1]
	x. Tomato	[1]
	b. Explain the biological factors that are involved in deterioration of harvested horti	cultural
	crops.	[20]
	c. Explain the importance of the following field management practices in tomato:	
	i. Staking and training	[5]
	ii. Fruit thinning	[5]

SECTION B (60 MARKS) ANSWER ANY THREE QUESTIONS

2.	Explain the production of any one crop either the Solanaceae or Cruciferae far preparation to harvesting:	amily, fr	rom land [20]	
3.	With the aid of a flow diagram, explain how citrus trees are propagated.		[20]	
4.	Examine spider plant (Cleome gynandra) production under the headings:			
	i. Seeds	[2]		
	ii. Land preparation and fertiliser application	[4]		
	iii. Sowing and transplanting		[3]	
	iv. General crop management	[4]		
	v. Irrigation		[3]	
	vi. Harvesting and utilisation		[4]	
5.	Explain the environmental factors that should be monitored for successful greenhouse crop			
	production.		[20]	

6.	Describe the major causes of the following disorders, indicating how they can be pre-	evented:
	(a) English cucumber abortion.	[5]
	(b) Rain check in tomato	[5]
	(c) Brown core and hollow heart in Irish potato	[5]
	(d) Bitter pit in apples	[5]

End of Examination Paper