

MURANG'A UNIVERSITY OF TECHNOLOGY

SCHOOL OF AGRICUTURE AND ENVIRONMENTAL SCIENCES

DEPARTMENT OF AGRICULTURE

UNIVERSITY ORDINARY EXAMINATION 2023/2024 ACADEMIC YEAR THIRD YEAR FIRST SEMESTER EXAMINATION GAC 301: PERENNIAL CROPS DURATION: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

- 1. Answer question one and any other two questions.
- 2. Mobile phones are not allowed in the examination room.
- 3. You are not allowed to write on this examination question paper.

SECTION A – ANSWER ALL QUESTIONS IN THIS SECTION QUESTION ONE (30 MARKS)

a.	Define the following terms			
	i.	Soil fertility	(3 marks)	
	ii.	Ratoon crop	(3 marks)	
b.	Outline f	ve difference between Arabica and Robusta coffee	(8 marks)	
c.	Discuss t	he cultural practises in banana crop production.	(8 marks)	
d.	Explain a	ny four green leaf tea qualities for processing	(8 marks)	

SECTION B – ANSWER ANY TWO QUESTIONS IN THIS SECTION QUESTION TWO (20 MARKS)

Discuss how climate factors influence the distribution of perennial crops in east Africa.

(20 marks)

QUESTION THREE (20 MARKS)

Discuss the post-harvest process involve	ed in avocado production from harv	vesting to reach end
customers.		(20 marks)

QUESTION FOUR (20 MARKS)

a)	Discuss the main challenges facing sugarcane production in Kenya.	(10 marks)
b)	Explain how the challenges can be overcome.	(10 marks)