

MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year SCHOOL OF AGRICULTURAL SCIENCES DEPARTMENT OF AGRIBUSINESS MANAGEMENT AND TRADE FOURTH YEAR SPECIAL/ SUPPLEMENTARY EXAMINATION FOR BACHELOR OF SCIENCE IN AGRIBUSINESS MANAGEMENT HOR 441: VEGETABLE PRODUCTION

DATE: 22/1/2021 TIME: 2.00-4.00 PM

INSTRUCTIONS;

Answer question one and any other two questions

QUESTION ONE

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	n 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)
QUESTION TWO		
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)

QUESTION THREE

Discuss 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

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

Discuss greenhouse production of tomato under the following headings

- a) Climate control in the greenhouse (5 marks)
- b) Planting beds preparation (5 marks)
- c) Staking (5 marks)
- d) Irrigation (5 marks)