Na	me:	•••••	Index No/	
	527/1			
PR	RINCIPLES AND PRACTICES			
OF	FAGRICULTURE			
	Paper 1			
	June/July 2022			
	2 ½ hours			
	MWALIMU EXAMINAT	rt(ONS BURI	EAU
	UCE RESOURCE MOCK EXA			
	PRINCIPLES AND PRACTICES OF	r A(SKICULTUKE	
	PAPER 1			
	2 ½ HOURS			
IN	STRUCTIONS TO CANDIDATES:			
•	Answer all questions in part A and four (4) questions f	rom	Part B including at led	ast one from
	each section.			
	PART A (20 Marks Answer all the questions in		part	
1.	A) Which one of the following is a tick-borne disease?	?		
	A. Trypanosomiasis	C.	Rinder pest	
	B. Foot rot	D.	Heart water	
	B) A disc plough is pushed into the ground by			
	A. Weight of the plough		Tractor's pull	
	B. Rotation of the disc	D.	Vibration of the beam	1
	C) Damping off is a disease of crops which is caused b	у		
	A. Bacteria		. Mineral deficiency	
	B. Virus	D	. Fungus	
	D) Diversification in farming is beneficial because it?			
	A. Increases yield			
	B. Eases management of cropsC. Ensures marketing of farm products			
	D. Improves efficiency of resource utilization			

2.	(a) Sta	ate four desirable characteristics of plants that make it suitable for use as	s green manure (04marks)
	(i)		
	(ii)		
	(iii)		
	(iv)		
	(b) O	utline the advantages of using water as a coolant.	(04 marks)
	(i)		
	(ii)		
	(iii)		
	(iv)		
3.	(a) Gi	ve four importance of electrical system in a tractor.	(02 marks)
	(i)		
	(ii)		
	(iii)		
	(iv)		
	b) Me	ntion four advantages of artificial insemination.	(04 marks)
	(i)		
	(ii)		•••••
	(iii)		•••••
	(iv)		•••••
4.	Outlin	ne four causes of price fluctuation of agricultural products	(02marks)
	(i)		
	···		

	(iii)				
	(iv)				
5.	Give two advantages of pra	cticing zero grazing in animal production.	(02marks)		
	(i)				
	(ii)				
		PART B (80 MARKS)			
	Answer four questions incluanswer booklet provided.	uding at least one from each section. Write all y	your answers in the		
	MECH	SECTION I ANISATION AND FARM MANAGEMENT			
6.	a) Explain the major princip	ples that govern a good cooperative society.	(12 marks)		
	b) Give the advantages of the (i) Processing (ii) Packaging	he following marketing practices.	(04 marks) (04 marks)		
7.	a) Describe how a tractor o	a) Describe how a tractor operator would ensure that the tractor is in good working condition			
	before starting a day's work	ς.	(16 marks)		
	b) Give reasons why most t	ractor engines are of diesel type.	(04 marks)		
8.	(a) Define the term a balance	ce sheet.	(02 marks)		
	could be at 31st December Opening valuation Closing valuation Vegetable sales Milk sales Fertilizers Interest payable Crop produce sales Wages Depreciation Coffee seedlings	1,200,000/= 3,400,000/= 30,000/= 430,000/= 130,000/= 50,000/= 170,000/= 730,000/= 350,000/= 20,000/=	(16 marks)		
	have made.	s account in (b) above, determine the profit or l	(2 marks)		

SECTION II CROP PRODUCTION

9.	(a) Explain the cultural practices that ensure increase in crop yield.	(14 marks)			
	(b) Outline six advantages of irrigating crops during dry season.	(06 marks)			
10.	(a) Describe how a farmer can prepare good silage on the farm.	(14 marks)			
	(b) Give the factors that affect the quality of silage preparation on the farm.	(06 marks)			
11.	11. (a) Explain the cultural practices that are used in reducing pests in annual crops.				
		(16 marks)			
	(b) Give the qualities of a good pesticide used in pest control.	(04 marks)			
SECTION III					
	ANIMAL PRODUCTION				
12.	12. (a) Explain the factors that a farmer should consider before establishing a beef herd.				
		(16 marks)			
	(b) Give reasons why milk is highly perishable.	(04 marks)			
13.	10	(10 marks)			
	(b) Outline the advantages of carrying out the following management practices				
	(i) Castration	(05 marks)			
1.4	(ii) Steaming up	(05 marks)			
14	(a) Explain the different ways of controlling animal disease.	(16 marks)			
	(b) Outline four symptoms of Mastitis in a diary animal.	(04 marks)			

End