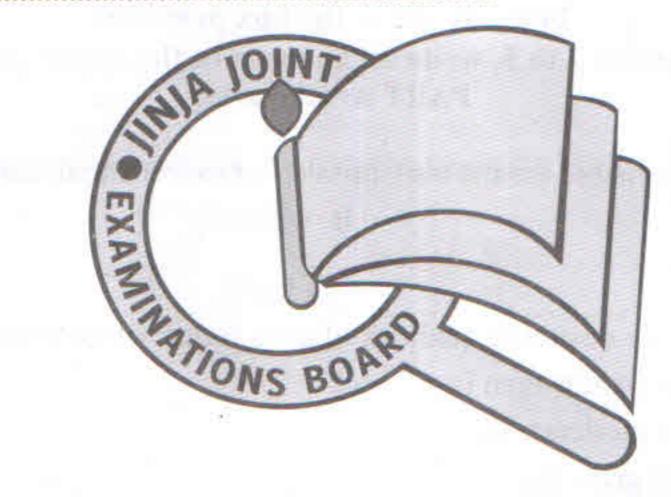
Name:	

PRINCIPLES AND PRACTICES OF AGRICULTURE (THEORY)
Paper 1
DECEMBER, 2020
2½ hours



JINJA JOINT EXAMINATIONS BOARD

Uganda Certificate of Education

MOCK EXAMINATIONS - DECEMBER, 2020

PRINCIPLES AND PRACTICES OF AGRICULTURE

(THEORY)

Paper 1

INSTRUCTIONS:

2 hours 30 minutes

Answer ALL questions in part A and FOUR questions from part B, choosing at least one question from each section.

For Examiner's Use Only

Questions	Marks	Examiner's No. and signature
PART A		
PART B		
	Mark Control	
TOTAL		

PART A: (20 MARKS)

Answer ALL questions in this part. For question 1, write the letter corresponding to the best answer in the box provided

For question 2 to 5, write all answers in the spaces provided.

PART A: (20marks)

. 1	. a)The vector response	onsible for the tran	nsmission of maize s	treak disease is,	(1/2mark)
	A. leaf hopper		B. white fly		
	C. aphid		D. moth.		
	b) The following a	re desirable qualit	ties of agro forestry t	tree species, exce	pt' (1/2mark)
	0.7 (0.00)	fix nitrogen in the			
	B. having a	moderate canopy			
	C. ability to	grow fast.			
	D. having a	wide rooting zone	e.		
	c) Which one of t	he following is no	t a variable input in	agriculture produ	iction?
					(1/2mark)
	A. labour	B. seeds	C. land	D. fertilizers	
	d) In the reproduc	tive system of a h	en, the uterus is also	referred to as the	e, (1/2mark)
	A. isthmus	B. shell gla	and C. infundi	bulum D. m	agnum
2.	State the sources	from which plants	s obtain nutrients.		(3marks)

	************		**********	*********	
3.	Suggest four caus	ses of failure of co	ows to come on heat	t.	(4marks)

a:	************				
4	N ve	131	ing terms as applied	to mechanization	t. (4marks)
	i) firir	ng order.			
	*********	**********			

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	ii) stro	ke.			
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			(2marks)
	5.500.00	***************************************	
5.	List	five advantages of diversification in farming.	(5marks)

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	0.0		******
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*****	******		
1	C	PART B (80marks)	
Ans	wer fou	r questions from this part selecting a tleast one from each of the section	ons.
		SECTION I	
6.	0.)	CROPPRODUCTION .	
0.	a)	Define the term cover crops.	(2marks)
	b)	State the characteristics of a good cover crop.	(8marks)
7.	c) a)	Describe the roles cover crops play in maintainace of soil fertility.	(10marks)
for	b)	Explain the causes of change in soil pH. Suggest ways of maintaining favourable soil pH.	(8marks)
	c)	How does soil pH influence crop growth?	(6marks)
8	a)	Explain the effects of soil erosion on farming process.	(6marks)
	b)	How can farmers control the development of gullies on steep slopes	(10marks)
	1000	SECTION II	s: (10marks)
		ANIMAL PRODUCTION	
9.	a)	What precautions should the farmer take when feeding birds on gre-	enc?
		I will folding of dis on give	(5marks)
	b) Ex	plain ways through which spread of diseases in poultry can be controll	
			(10marks)
	c)	Outline five symptoms of Newcastle disease.	(5marks)
10.	a)	What factors should the farmer bear in mind when housing calves.	(14marks)
	b)	Give reasons why many farmers still leave calves to be suckled by	
		mothers.	(6marks)
11.	a)	Explain why most farmers in Uganda continue to rear indigenous car	
			12marks)
	b)	Suggest factors that are responsible for low productivity of indigenor	

SECTION III

MECHANISATION AND ECONOMICS

- 12. a) State the conditions under which traction may be reduced in a farm tractor.

 (6marks)
 - b) How can tractor tyres be maintained in good working condition. (7marks)
 - c) Briefly explain the reasons for checking a tractor before a days work. (7marks)
- 13. a) Give reasons why farm buildings may fail to serve their expected life span.

(6marks)

- b) State the features of a crop store that would reduce damage of crop produce.

 (9marks)
- c) Outline the problem farmers in Uganda face in trying to store crop produce. (5marks)
- 14. a) How do farmers benefit from forming farming organizations? (10marks)
 - b) Explain the problems are faced by farming organisations in Uganda. (10marks)