	Centre/Index No:
Name:	Signature
School	
P515/1	
PRINCIPLES	
AND PRACTICES	
OF AGRICULTURE	

August 2016
21/2 hours

WAKISSHA JOINT MOCK EXAMINATIONS

Uganda Advanced Certificate of Education
PRINCIPLES AND PRACTICES OF AGRICULTURE

Paper 1

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

PAPER 1

- This paper consist of sections A and B.
- Answer all questions in both sections.
- All answers should be written on this question paper.

	FOR EXAMINER'S	USE ONLY
Question	Marks	Examiner's No. / Initial
Section A		
31		
32		
33		
34		
35		
36		
37		
TOTAL		
		Turn (

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SECTION A (30 MARKS)

	(SU MARKS)	
	Write the letter with the correct alternative in the box provided on the rig	rh t
1.	The type of nump with a double action.	continuous
	B. simple hand sprayer	
	C. plantector pump	
	D. spray Race	
2.	A soil sample was analyzed and the particles were found to have a diameter 1.00mm-0.5mm. The texture of the soil is said to be; A. very fine sand	between
	B. very coarse sand	
	C. coarse sand	
	D. fine sand.	
3.	Secondary thickening in flowering plants is brought about by division of A. Phloem Cells B. Cambium Cells C. Xylem Cells D. Cortex Cells.	
4.	Which of the following animal diseases is caused by metabolic disorder? A. Foot and mouth B. Mastitis C. Ketosis D. Black quarter.	
5.	The type of chemical reaction between water and the mineral elements in the hydrolysis B. carbonation C. oxidation hydration.	rock is;
7.	Which of the following farm machines illustrates a second class lever? Tractor jack Secateur C. Claw hammer Wheel burrow	
	Silent heat in cattle can be caused by; A. high levels of progesterone C. low level of Luteinizing hormone D. low levels of oestrogen high levels of prolaction	

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2

vater most
vater most
most
escribed as;
4

	lateral growth is encourage	d	170M
	hen the shoot apex of a growing plant is removed, lateral growth is encouraged		SECTION B (70MARKS) Write your answers in the spaces provided The graph below shows changes in the reproductive hormones levels during a 28day
23. W	hen the shoot apon and		The graph below shows changes in al
be	cause;	31.	action in a cow.
A	auxilis are auxilis are auxilis at a second auxilis are a lateral growth.	I	Jerios and normones levels
В.	growth of lateral buds is stimulated by gibberchind growth of lateral buds is stimulated by gibberchind more abscissic acid is produced to promote lateral growth.		◆ during a 28day
C.			
D	cytokinins are assessed as a depreciation rate		
	n which of the following farm items would you fix a depreciation rate.		•
A	Form land		
В	n to a goody for sale.		
C	- ·		I Soa
D			A A
	hich is the order of the stages of the soil forming processes;		000000000000000000000000000000000000000
	hich is the order of the stages of the stages of the Translocation-decomposition-disintegration.		* * * * * * * * * * * * * * * * * * *
A B	Translocation-decomposition-translocation. Disintegration-decomposition translocation.		O 3 7 8 10 14 18 21 24
C	and the state of t		24 28
n	Decomposition-translocation-districes determined	(a	Identify the hormones
D	ide thrust in a an ox-plough can be overcome by the;		A. (04mar
			Electric Charles
A			В
В			C
C			
D			D
27. D	etachment of grains of cereals from their head can be best done using a.		
27. A	Sheller	(b)	Give the role of each hormone identified above in the oestrus cycle. (04m
В			the second of such normalic facilities above in the second cycle.
C	C. Thresher		A
Ι). Winnower.		
	The biggest advantage with differed grazing is that it:-		•
			В
	A. may limit animal usage of pastures. B. encourages accumulation of wastes in pasture.		
	C. control pasture weeds		· · · · · · · · · · · · · · · · · · ·
	D. decreases tick population in a pasture.		C
29.	Biological pest control in plants involves		D
	A. use of a living agent.		D
	B. early planting		1.
	C. trapping	(c)	Givi-
	D. intercropping.		Giving a reason, suggest whether the above cow was able to conceive after insemination on the 13 th day of the cycle.
30.	What is the use of a ball valve in a water tank?		
	A. Regulates the flow of water through the outlet pipe		
	B. Opens and closes the overflow pipe.		
	C Ones I I I I I I I I I I I I I I I I I I I		
	D. Allows the draining of water from the tank.	Turn Over	
	and manning or many mont ma	Turn Over	
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32.	(a)	Explain the characteristics you would consider when select stock for poultry.	(05 marks)				
						•	
					(0)	Gi	we the meaning of the following and the
				34.	(a)		ve the meaning of the following population terms. (4marks
						(i)	Population density
				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		(ii)	Demographic transition
	(b)	What feeding management practices should a farmer carry of management of a poultry flock.					
				接里			
						, <u>.</u>	Optimum population
						(iii)	Оршпши роршаном
					(iv)	Mortality Rate
33.	(a)	Outline the principle characteristics of organic farming.	(04marks)	(b)	, \ F	xnlair	n how a high population density can affect agricultural production in a (06marks
		***************************************		(0)	, . E	iven a	иеа.
		***************************************			· ·		
	(b)	Describe how					
		Describe how peri-urban farmers can raise mushrooms up to h	narvesting stage. (06marks)				
			Over				© WAKISSHA Joint Mock Examinations 2016
		© WAKISSHA Joint Mock Examinations 2016	Turn Over				© WAKISSHA Joint Mock Land

			(b)	One of the strategies of promoting agricultural production is through value addition. What steps should farmers take in order to increase value to their produce?
		Differentiate between power and energy as used in farm machinery. (02r	marke	arcrease value to their
35.	(a)			(03mark
				
				<u></u>
			(c)	Briefly outline the components of
	(b)	If a tractor is moving at a speed of 8kmhr ⁻¹ during ploughing and its engine	ic	Briefly outline the components of a good marketing strategy plan one would carry out for a dairy product
		generating a power of 20,000W. Calculate the draw bar pull being exerted implement. (04n	on the marks)	(04marks)
		Implement. (04)	marks)	
				Manager s
				WWW.
				Explain five ways how soil micro organisms affect and groubstivity (19marks)
				Explain five ways now son unero organization on grounds
	(-)			
	(c)	Suggest four recommendations to increase the adoption of tractor use by most farmers. (04m	narks)	
		,		
			(b)	Name and explain five soil properties that influence the activities of micro-
				organisms in the soil.
				manufacture of the second seco
36.	(a)	Cina the state of		***************************************
	(-)	Give three objectives of carrying out sales promotion during the marketing agricultural produce (03m	arks)	
		, and product the second secon		
		And the second s		
		The second secon		
				END 10
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