

Candidate Name

Centre Number

Candidate Number

MATHS GUARDIOLA

+447852954215



ZIMBABWE SCHOOL EXAMINATIONS COUNCIL

General Certificate of Education Ordinary Level

AGRICULTURE

5034/2

PAPER 2

NOVEMBER 2013 SESSION

2 hours

Additional materials: Answer paper

TIME 2 hours

INSTRUCTIONS TO CANDIDATES

Write your name, Centre number and candidate number in the spaces provided at the top of this page and on all separate answer paper used.

Section A

Answer all questions.

Write your answers in the spaces provided on the question paper.

Section B

Answer two questions from any one of Options 1, 2, 3 or 4. Write your answers on the separate answer paper provided. At the end of the examination, fasten the separate answer paper securely to the question paper.

INFORMATION FOR CANDIDATES

The number of marks is given in brackets [] at the end of each question or part question.
You are advised to spend no longer than 80 minutes on Section A.

FOR EXAMINER'S USE		
Section A		
Section B		
TOTAL		

This question paper consists of 12 printed pages.

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Section A [70 marks]

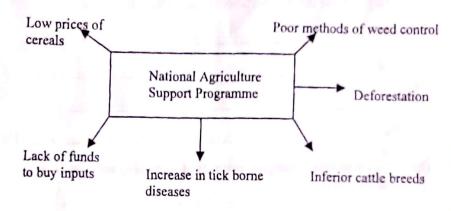
Answer all questions in this section.

Candidates are advised to spend approximately 80 minutes on this section.

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		Vol. 100 A LANGE	FM3704	4	
				21 × 11	an indicate
	ií)	mixed farming.		1	
			e i ry arak		hwod f
(b) !	Explain manag	n the importance of the ement:	following term	ns in nurse	ery
(b) 1	Explair manag (i)	n the importance of the	following term	ns in nurse	ery la
M CHICARY	Explair manag (i)	n the importance of the ement: hardening off, pricking out.	following tem	ns in nurse	ery la

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(d) Resettled farmers are faced with many challenges. Study the figure and complete the table by matching the best challenge with the appropriate service provider.



National agriculture programme		Challenge
(i)	Arex	P - 800
(ii)	Agribank	F
(iii)	Campfire	1
(iv)	Veterinary service	

[4]

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2

		. A. w.				
				A	À	
	(ii)	State any two pup by root hairs	roce <mark>sses</mark> by	which so	il nutrients	are taken
		(h-7)	14			
	(iii)	State three imp	ortances of	soil micr	o-organism	is.
			e degree	74		
(b)	Descr arable	ribe three biologi e lands.	cal method	s of contro	olling soil o	erosion in

	and a sign of the house on the Studied adults of the A (ii)	[4]
(b)	Describe the importance of Integrated Pest Management.	
(0)	Ge Valid M. Sand V. Sand V.	_ /
	The second secon	_ 🐇
	The second of th	
and the second	Sq. to we it	J
		[3]
A MILL	Explain any three cultural methods of weed control.	(6)
(c)	Explain any three cultural methods of weed condon	
		7/
5		-
		-
		_ [3]

	the same to			
				[4]
1	(ii)	A pure bred white bull vered cow (rr). Complete parental gametes F ₁ gen	the genetic diagram to	ure bred show
		Parents	White bull	Red cow
		Parents genotype	- to	
		Gametes		
		F ₁ genotype		
		F ₁ phenotype		7
FEF				[4
(b)	Sug	gest any two reasons why	farmers would practise	inbreeding.
	_			
				[2

(a)	Explain the f		*			
		Select series was				
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				· ·		
	· ·	The second	775			
		War .	and a	12	1	
-		. Bo				[4]
C	llustrate the mi rude protein (I	OCP). If sunflo	ower has 35%	DCP and m	naize has	
	% DCP. Use 1	Pearson square	method.			
	% DCP. Use	Pearson square	method.			
A	% DCP. Use	Pearson square	method.			
	% DCP. Use	Pearson square	method,			
À	% DCP. Use	Pearson square	method.			[3]
e) Exp	olain the function of a rumin	Pearson square	method.			[3]
e) Exp	% DCP. Use I	Pearson square	method.			[3]
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e) Exp syst	% DCP. Use I	Pearson square	method.			[2]
e) Exp syst (i)	olain the functi tem of a rumin Rumen,	Pearson square	method.			

		[3]
(p)	State any three disadvantages of using wooden posts in fencing.	
		(3)
(c)	Name any two types of harnesses.	
		[2]
(d)	Explain any two features of a good farm road.	
		[2]

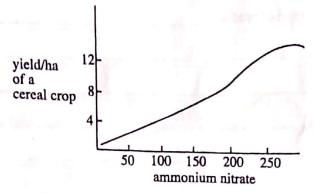
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Name of product	
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	[3]
	[3]
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Y	
	[3]

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(b) The graph below is showing the relationship between yield and fertiliser application of a cereal crop.



(i) What will be the yield of cereal crop if you apply 200 kg of Ammonium Nitrate?

[1]

(ii) Explain the effects of low application of Ammonium Nitrate on cereal crops.

[3]

11 Section B [30 marks]

Answer two questions only from any one of Options 1, 2, 3 or 4.

OPTION I: CROP HUSBANDRY

		5034/2 N2013	[Turn over
	(b)	describe the methods of control.	[5]
	(a)	describe the life cycle,	[10]
13	For a r	named internal parasite of a non ruminant animal,	
	(b)	Explain factors to be considered when selecting a site for the construction of animal handling facilities.	[5]
12	(a)	Describe any two animal handling facilities and explain their importance in livestock production.	[10]
	(ii)	prevention and control.	[7]
	(i)	signs and symptoms,	[8]
11	For a	named internal parasite, discuss it under the following:	
		OPTION 2: LIVESTOCK HUSBANDRY	
	(b)	Describe the processing of a named cash crop product up to marketing.	[5]
10	(a)	For a named cash crop, explain the management practices from planting up to harvesting.	[10]
	(b)	Describe the preparation for marketing of a named tuber or root crop.	[5]
9	(a)	Describe any five management practices carried out between planting and harvesting of a named tuber or root crop.	[10]
	(b)	A silage maize crop is planted at a spacing of 800 mm × 200 mm calculate the plant population per hectare. Show all your working.	m, [5]
8	(a)	With the aid of a well labelled diagram of an animal drawn plot explain the functions of any ten parts.	[10]