

EXAMINATIONS COUNCIL OF SWAZILAND Junior Certificate Examinations

-					1	Hour 4	45 Min	utes
Paper 2					Octobe	r/Nove	mber :	2018
AGRICULTUR	ι Ε						5′	16/02
NUMBER				NUMBER				
CENTRE				CANDIDATE				
CANDIDATE NAME								

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name on the answer sheet provided. Answer all questions on the question paper by completing each question as instructed.

This paper consists of two sections. Section A and Section B.

Section A consist of simple response questions worth 50 marks.

Section B consist of **three** essay questions of which you are expected to answer any **two** essays worth 25 marks each.

Answer on the lines provided.

Work quickly. If a question seems hard, skip it and come to it later.

For Examiner's Use	
Section A	
Section B	

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Section A: Simple Response Questions

Answer all questions (50 Marks)

1	(a)	What is mixed farming? .
		[1]
	(b)	Give an advantage of mono-cropping.
		[1]
	(c)	Suggest two ways in which commercial farming may be harmful to the land?
		(i)
		(ii)
		[2]
		[Total: 4 marks]
2	(a)	What is the impact of climate change on agricultural activities?
		(i)
		(ii) [2]
	(b)	Explain how soil pollution can affect crop production in Swaziland.
		[2]
		[Total: 4 marks]

3 Figure 3.1 shows a mechanical device.

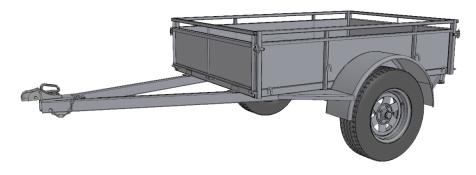


Fig 3.1

(a)	Name the mechanical device indicated in figure 3.1
	[1]
(b)	What is the importance of lubricating the moving parts of the mechanical device?
	[1]
(c)	Describe the use of the mechanical device shown in figure 3.1.
	[2] [Total: 4 marks]
(a)	Which weather condition is suitable for transplanting vegetable seedlings?
	[1]
(b)	Why is thinning an important management practice?
(5)	vviiy io tiiii iiiiig dir iiriportarit managomorit praotico.
	. [1]

(c)	Ехр	plain why it is import to harvesting on time?
		[2]
	·····•	[Total: 4 marks]
5 (a) l	List the three steps of land reclamation.
	(i)	
	(ii)
	(ii) [3]
(b) E	Explain the role of water in crops.
		[2]
•		[Total: 5 marks]
6	(a)	Name any one supplier for broilers in Swaziland.
	(b)	What is the importance of a brooder to chicks?
	(13)	[1]
	(c)	Suggest any two ways in which keeping layers can benefit a family.
	` ,	(i)
		(ii)[2]
		[Total: 4 marks]

7 (a) Figure 7.1 is a diagram of a heap compost.

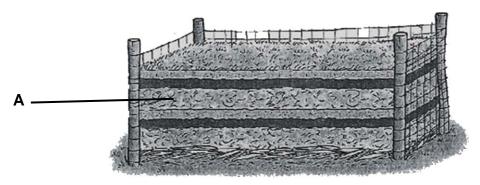


Fig 7.1

	(i)	Name layer A on the diagram.	
	(ii)	What is the purpose of turning the compost more often?	
	(b)	Explain how soil fertility can be maintained.	
			[2]
8.	(a)	Outline two health effects of parasites on cattle.	[Total: 4 marks]
		ii)	
	(b)	Explain any two benefits of a cultivated pastures?	
	(ii)	
			[∠]

9. Figure 9.1 is a diagram of a hive.

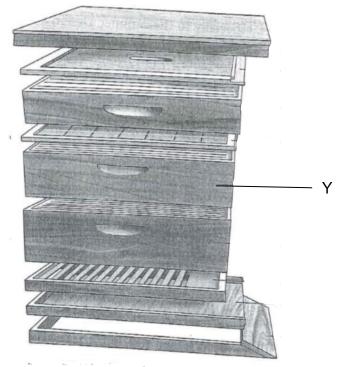


Fig 9.1

(a)	Label part Y on the diagram.	
	•	[1]
(b)	Describe the two ways in which honey bees communicate.	
((i)	
(ii)	[2]
(c)	Suggest any two safety precautions when keeping honeybees.	
((i)	
((ii)	[2]
		[Total: 5 marks]
(a)	Outline the importance of agro-forestry.	

10.

	(b)	Discuss the establishment of a nursery.	
			[2]
		[То	tal: 4 marks]
11.	(a) \	Why is planning important in farm business?	
	•		[1]
	(b)	What are the factors that influence decision making in a farm business	s?
	((i)	
	((ii)	
	((iii)	[3]
		-	tal: 4 marks]
12.	(a)	Explain the role of transpiration in plants?	
	(ls)	Describe requiredies in alerta?	[2]
	(D)	Describe respiration in plants?	
			[2]
		ITo	tal: 4 Marks]
		[10	

SECTION B: Essay Questions

Answer any **two** questions (50 Marks)

1.	Write an essa	y on dry	maize p	production	using the	guidelines	below.
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	Topic of the enterprise	[1]
	Introduction (importance of maize)	[1]
	Land preparation	[4]
	Factors considered when selecting suitable variety	[3]
	Steps for planting maize (directly)	[6]
	Management practices	
	 Weeding 	[4]
	 Top dressing 	[4]
	o Maturity	[2]
٠		
٠		
•		
•		

[25 Marks]

2.	Write an essay on indigenous chickens using the guidelines below.	
	 Topic of the enterprise Introduction (define indigenous chickens) Importance of indigenous chicken Characteristics of a good chicken house Feeding indigenous chicken Providing water General control of diseases and parasites Control of vices 	[1] [1] [6] [3] [6] [3] [3] [2]

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3.	Write an essay	y on rabbit	production	using the	guidelines belov

• Weaning [2]	 Topic of the essay Introduction (importance of rabbits) Set standards for successful rabbit production Amount of pellets given to rabbits and their ages Importance of test mating and how it is done 		
	FosteringWeaning	[2] [4] [2] [2]	

[25 Marks]

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