## **MZUZU DIOCESE EXAMINATIONS**

# 2017 MALAWI SCHOOL CERTIFICATE OF EDUCATION MOCK EXAMINATION AGRICULTURE

Monday, 27 March

Subject Number: M012/1 Time Allowed: 2 hours (7.30-09.30am)

PAPER 1 (100 Marks) (Theory)

#### **Instructions:**

- 1. This paper contains 12 pages. Please check.
- Answer all ten questions in section A and all four questions in section B.
- 3. The maximum number of marks for each answer is indicated against each question.
- 4. Answer all questions in the spaces provided.
- 5. Write your **name** and **class** on top of every page.
- 6. In the table provided on this page, tick against the question number you have answered.
- 7. Hand in your paper to the invigilator at the end.

Question	Tick if	Do not		
Number	Answered	write	in	
		these		
		marg	ins	
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				

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#### Section A (60 marks)

### Answer all the **ten** questions in this section

1.	a. State any <b>two</b> ways of classifying weeds.	
	b. (i) Give any <b>one</b> reason why it is important to classify weeds accurately.	(2 marks)
	(ii) Describe any <b>one</b> cultural practice for controlling weeds.	(1 mark)
2.	a. Mention any <b>two</b> beef breeds of cattle	(2 marks)
	b. State any <b>two</b> features that can be used to identify a beef breed of cattle	(2 marks)
		(2 marks)

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Name\_\_

	Seed size
	(2 marks)
a. Exp	plain any <b>one</b> importance of each of the following in agricultural experimentation
i.	report writing
	(2 marks)
ii.	calculating averages
	(2 marks)
b. Sta	te any <b>two</b> examples of environmental interference in agricultural experiments.
b. Sta	te any <b>two</b> examples of environmental interference in agricultural experiments.
b. Sta	te any <b>two</b> examples of environmental interference in agricultural experiments.  (2 marks)
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	a. State any <b>two</b> roles of estates in ensuring food security.
	b. Explain any <b>two</b> ways in which farmers can achieve food self-sufficiency at household level.
	c. State any <b>two</b> factors that help to expand international agricultural trade in Malawi.
	(2 marks)
•	Form 4 students at Chule CDSS poured 260ml of soil in a measuring cylinder. The students also poured 140ml of water in the measuring cylinder. After 20 minutes they noted that the volume of soil and water was only 345ml.
	i. What was the aim of the experiment?
	(1 mark)

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Name\_\_\_\_\_

				(21
			il prices for some agricultura	al produce at Kal
iark	et. Use it to a	Produce	Farm gate price (MK/kg)	Retail Price
		Irish potatoes	350.00	(MK/kg) 700.00
		Cabbages	80.50	180.75
		Onions	600.00	750.00
	(1) Irish po	otatoes		(21
	(2) Onions			(21

(2 marks)

ii.	(1) Which produce in (i) has the smaller marketing margin?	
	(2) State any <b>one</b> possible cause of the difference in marketing margins in	( <b>1 mark</b> ) n ( <b>i</b> ) above.
		(1 mark)
	mer bought a sprayer worthy K25,000.00 to be used for controlling pests in ate <b>one</b> safety measure that should be observed when using a sprayer.	n maize
ca	ssuming the sprayer has a life span of 10 years and a salvage value of K2, 0 lculate the book value of the sprayer by the end of three years, using the st ethod.	
c. St	ate any <b>two</b> causes of depreciation of the sprayer calculated in <b>b.</b> above.	(4 marks)

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ny me n	utrient lac	cking in	the c	rops.								
-	<b>o</b> inorgan mptoms.	ic fertil	izers t	that ca	an be	e sup <sub>l</sub>	plied t	y the	farm	er to o	·	nark) t the
any <b>tw</b> o	ways ho	w the n	utrient	t is de	eplete	ed fro	om the	soil.			(2 1	marks)
t <b>hree</b> fu	nctions of	roots.									(2 m	narks)
											(3 1	marks
	reason w					rageo	l to p	lant d	leep 1	roote	d crop	os afte
											(2 ı	marks
												(2 1

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#### Section B (40 marks)

Answer all the <b>f</b>	<b>our</b> questions	in an essay f	form except for	question 12.
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1 2	C	industries in su		

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12. With the aid of a well-labele	d diagram, describe the reproductive system of a cow.
	(10 marks)

	on in livestock pr	

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Name\_\_\_\_\_

1.4	Formore in Traditional authority Valulums have been mivileged with the following
14.	Farmers in Traditional authority Kaluluma have been privileged with the following resources:
	<ul> <li>Farm settlement program</li> <li>Subsidy program</li> <li>Agricultural Cooperative</li> <li>Soil testing unit</li> <li>Irrigation unit</li> </ul>
	Explain any five ways in which farmers can use these facilities to increase agricultural
	production.

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**(10 marks)** 

END OF QUESTION PAPER

**NB:** This paper contains 12 pages