Name	Centre No
	
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527/2
Principles and
Practices of Agriculture
(Practical)
Paper 2
2 hours

RESOURCEFUL MOCKS 2019 UGANDA CERTIFICATE OF EDUCATION PRINCIPLES AND PRACTICES OF AGRICULTURE 527/2 (PAPER 2)

TIME: 2 HOURS

Instructions to candidates:

This paper consists of five questions. Answer all questions.

Answers are to be written in ink in the spaces provided.

FOR EXAMINER'S USE ONLY											
QUESTIONS	MARKS	EXAMINER'S SIGNATURE									
1											
2											
3											
4											
5											
TOTAL											

1.	of filt Ad Re	soil sar ter funn ld to it a cord th	mple A_1 and pour intelled onto the measure 50mls of clean water	mens A ₁ and A ₂ which are crushento a filter funnel lined with filtering cylinder provided. er and start the clock. Stop the excollected in the measuring cylindestions below	paper or cotton wool. Place the periment after 2 minutes.								
	(a)	Recor	d your results in the	(4 marks)									
		Specia A ₁	men	Volume of water collected	Volume of water retained								
		A_2											
	(b)	Calcu	late the percentage	of water retained by each soil sai	mple (2 marks)								
		(i)	A_1										
		(ii)	A_2										
	(c)	Menti		l characteristic being investigated									
	(d)	From	-	, deduce which of the soil sample	es is good for crop growth, give (3 marks)								

Soil sample good for crop growth

(i)

	(ii)	Reasons	
	(i)		
	(ii)		
2.	answer	questions which follow.	for planting and give reasons in each case.
			(5 marks)
	nterial	Suitability for planting	Reason
B ₁			
B ₂			
B ₃			
B ₄			
B ₅			
D 5			
	(b) Desc	cribe how a sugar cane crop is planted b	by use of sets/stem cuttings (5 marks)
	••••		

	•••••	
3.	You are provided with specimens C ₁ C ₂ and C ₃ which are usually used management operation. (a) Mention the farm operation where these specimens are used:	(1 mark)
	(b) State a technical word to describe the operation while using: C_1	(2 marks)
	C_2 and C_3	
	(c) Describe how C ₂ and C ₃ are used together to achieve the operation	(4 marks)
	•••••	

	(d) Give the advantages that the use of C_2 and C_3 have over the use of C_1	(3 marks)
	Advantages of using C ₂ and C ₃ over C ₁	
ŀ.	You are provided with specimens D_1 and D_2 cut open and extracted from far	m animals.
	Observe the specimens closely and answer questions below (a) In each case name the farm animal from which the specimen was extract	ted (1 marks)
	(a) in each case name the farm animal from which the specimen was extract	ed (1 marks)
	$D_1 \dots D_1 \dots D_n $	
	$D_2 \ldots \ldots D_2$	•••••
	(b) In which system of a farm animal where these specimens extracted respectively.	ectively.
	(1 m	,
	$D_1 \dots D_1 $	•••••
	$D_2 \dots D_2$	
	(c) Describe the structure and contents of each specimen (4 m	arks)
	D ₁	
	D_2	
	-	
	••••••••••••••••••••••••••••••	

(d)	Describe how the structure of each specimen is adapted to its functions	(4 marks)
	D_1	
	D ₂	
		• • • • • • • • • • • • • • • • • • • •
		• • • • • • • • • • • • • • • • • • • •
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E_2													
	 	 	 • • • • •	 • • • •	 • • • •	 • • • •	 		 	 	 	••••	

<u>END</u>