Signature: ... Name:... PRACTICAL August 2023 Answer ALL questions in the spaces provided. INSTRUCTIONS TO CANDIDATES: BIOLOGY No additional sheets of writing paper are to be inserted in the booklet. Extra credit shall be given to clear drawings made in pencil Paper 2 553/2 2 hours JINJA JOINT EXAMINATIONS BOARD MOCK EXAMINATION -AUGUST 2023 Uganda Certificate of Education QUESTION BIOLOGY PRACTICAL TOTAL For Examiner's Use OnlyCentre/Index no: N Paper 2 2 hours MARKS

1. You are provided with solution R, S, T and U which are food solutions.

Carry out Benedicts test on solutions R, T and U and record your

(08 marks)

observations and deductions in table 1.

rests	OBSERVATION	DEDUCTION
i) To 1cm³ of solution R n a test – tube add lcm³ of Benedict's solution and boil		
(ii) To 1cm³ of solution T in a test – tube add 1cm³ of Benedicts solution and boil.		
(iii) To 1cm³ of solution U add 1cm³ of Benedic solution and boil.		

Second the second of the second secon
fullip as you count
contribe will film
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(b) Carry out tests in table 2 and record your results in the table 2 below. (08 marks)

TESTS	NUMBER OF DROPS USED	DEDUCTION
(i) To 1cm ³ of DCPIP in a test – tube R drop by drop until the solution is just decolourised count the number of drops.	Janes & Rendellos	between
(ii) To 1cm³ of DCPIP add solution S and count the number of drops until the solution is just decolourised.	wided with specimens A and B unts. art of the plant are the specime	different pl
(iii) To 1cm ³ of solution in a test – tube add solution T drop by drop as you count until the solution just decolourised.	the the type of political delications.	(a) pagg (b)
(iv) To 1cm ³ of DCPIP in a test – tube add		

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drop as you count until the solution just decolourised.		
(c) From your results	in table 2 state what was bein	ng investigated. (01 marks)
		2. state two
(d) Basing from your differences between solution	findings in table 1 and table 2	(02 marks)
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
different plants.	th specimens A and B which a	
answer. (i) part of the plant.		(03 marks)

*****************	********	•••••
(ii) Reasons.		
************************	•••••••••	••••••

solution U drop by



i.	escribe the following parts of speci-	men A. (03 marks)
ii.	Corolla	
	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
(c) (Give four structural differences between	ween specimen A and B. (04 marks)
		deminan to opp onns vil
200	SPECIMEN A	SPECIMEN B
	(i)	написача
	(ii)	
	,···›\	
	(iii)	The state of the s
	(:_\)	
	(iv)	
(0	d) Giving reasons, state the type of p	ollination which occurs in the (03 marks)
	Specimens. Type of pollination	(00 1141110
	Reasons	

(e) Using a sharp blade, cut specimen B longitudinally.

Draw and label a longitudinal section of specimen A. State your magnification.

(07 marks)

3. You are provided with specimens X, Y and Z which were obtained from the same type of mammal.

a) State the part of the body from which each specimen was obtained. (03 marks)

SPECIMEN	PART OF THE BODY
	(ii)
X	(34)
Lesent plants.	
the type of pollination which of Y	(d) Greing reasons, about specification
Z	
	Ronning

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b) Describe the main features of specimens X, Y and Z.	(09 mar
(i) Specimen X	
(i) opecimen x	, , , , , , , , , , , , , , , , , , , ,
447444444444444444444444444444444444444	,

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(ii) Specimen Y	
(12)	
***************************************	,

7	
(iv) Specimen Z	
200000000000000000000000000000000000000	, , , , , , , , , , , , , , , , , , , ,
	,

c) Outline four differences between specimens X and Y. (04 marks)

SPECIMEN X	SPECIMEN Y
	Maria Ma
and the same of the same of the same of	
The same of the sa	
	(ii) Sperimon Y
THE RESERVE THE PERSON NAMED IN POST OF THE PERSON NAMED I	AND THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUM
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CONTRACTOR OF THE PERSON OF TH	PART OF THE PARTY.
	The same of the sa
Continue to the second	The state of the s
	Specimen S

d) In the space provided draw and label the anterior view of specimen Y.
 State your magnification. (05 marks)

