Name	Centre /Index No
School	Signature

P530/3 BIOLOGY (Practical) PAPER 3 July/August 2017 31/4 hours



WAKISSHA JOINT MOCK EXAMINATIONS

Uganda Advanced Certificate of Education

BIOLOGY PRACTICAL

Paper 3

3 hours 15 minutes

INSTRUCTIONS TO CANDIDATES:

- This paper consists of three questions.
- Answer all questions.
- Answers must be written in the spaces provided.
- Additional sheets of paper must not be inserted in this booklet.

FOR EXAMINER'S USE ONLY			
Question	Marks	Examiner's signature	
1			
2			
3			
Total			

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Turn Over

Question 1:78 minutes (40 marks) Question 1:78 minutes (so marks)

Question 1:78 minutes (so marks)

You are provided with specimen A which is freshly killed.

You are provided with specimen with ventral side uppermost.

Pin the specimen with ventral side uppermost.

Draw and label the body parts observed in the posterior end of the trunk

Tegion, including the left thigh.

Measure 2.0cm length of the tail from its attachment to the body and observe it in detail using a hand lens.

Draw this part of the tail and its unique features twice the size observed.

Do not label.

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2

		Y				
(iii)	Give the adaptive role of any three features in the part of tail drawn above.		on 2:59 minutes (30 marks)			
	1	You are add 3cm	add 3cm ³ of water, then give the liquid part into a test tube to constitute extract W.			
		y y	our tests and ever	ble 1 below;-		
	2	Т	ABLE 1	(09½ marks)		
			EST FOR	OBSERVATIONS		
			1. Starch			
	3		i gugar			
		2	Reducing sugar			
Disse	at the specimen to display:					
	contents of abdominal cavity in viscera.	3.	Proteins			
(ii)	thoracic blood circulation and structures used for ventilation. Draw and label parts displayed in (i) and (ii) above with the heart deflected to your left. (27 mark			Question 1, cut and remove: X, posterior half o		
		stom	ach, Y, duodenal loop + 5cm distal end of ileum.	length of proximal end of ileum and Z- 15cm length		
		test t	are extracts X, Y and Z by sque ubes labeled X, Y and Z. Add 4 x thoroughly.	eezing out equal amounts of contents of each part into 4cm ³ of water to contents of each test tube and shake		
		(i) TAB	Repeat the tests in Table 1 on a	s in Table 1 on extracts X, Y and Z. Record name of the tests and one in Table 2 below:-		
			NAME OF TEST	OBSERVATIONS		
		1.	JULION TEST	X;		
				Υ;		
				Z;		
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				T		
2.		X ;		(iv).	Giving evidence from Table 3 above, propart in the diet of specimen A, before it w	ve that pellets W formed an essential
		Y;		1		(03 marks)
		Z;				
3.		X;				•••••
		Y;				
		Z;		Question 3 5	8 minutes (30 marks)	
				(i) B	e the following parts in specimens B and tract:	(05 marks
extra	n your observations in Table act W with that in Y and Z.	3 1 mid 2, comp = 1	(03 marks)	C;		
ABLE 3 Extracts	Starch	Reducing Sugar	Proteins	(ii) Per	ianth;	(05 marks)
w				В;		
r .						
				C;		
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		Y	
(ii)		(03 marks)	(ii) Remove a floret with an open corolla from specimen D. Cut the corolla longitudinally into equal halves. Using a hand lens observe the inner surface (05 marks)
	C;		
b). Gi		ties observed in the gynoecium of B and C	
(i)	Differences	(02 marks)	
	B 1 2	С	
(ii)		(02 marks)	
	2		(iii). How is the corolla of specimen D adapted for any two named functions?
c) (i).	Give three prominent features observed	in the arrangement of florets in specimen (06 marks)	
	D and suggest one benefit of each feature Prominent feature	e to the florets. (60 maz-)	I
	1-		2
	2-		END
	3-		
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