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JULY / AUGUST 2012	
Time: 2 Hours	

## **KWANZA DISTRICT JOINT EVALUATION TEST - 2012**

Kenya Certificate of Secondary Education (K.C.S.E)

231/3 BIOLOGY PAPER 3 PRACTICAL JULY / AUGUST 2012 Time: 2 Hours

## **INSTRUCTIONS TO CANDIDATES**

- 1. Answer all the questions.
- 2. Spend the first 15 minutes of the 1 ¾ hours allowed for this paper reading the whole paper carefully before commencing your work.
- 3. Answers MUST be written in the spaces provided in the QUESTION PAPER ONLY.

## FOR EXAMINERS USE ONLY

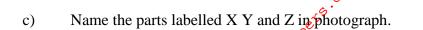
QUESTION	Max Score	Candidate Score
1	14	
2	14	
3	12	
TOTAL SCORE	40	

This paper consists of 8 printed pages.

Candidates should check the question paper to ensure that all pages are printed as indicated

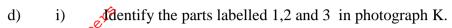
		con	
1.	Label	l test tubes J K L M. Measure 5ml of the Hydrogen perixode providence.	ded and pour into each test
	tube.	Peel specimen N provided and obtain four cube of about 1cm <sup>3</sup> . Gr	ind one of the cubes put in
	test tu	ubes J add water and boil for about 5 minutes. Grind other two cub	es place them in test tube
	K and	d M respectively. The remaining cube put it in L.	
	a)	Record the observation in	(1mk
		J	
		L.Q.	
(	by the second	Compare the observations made in	(2mks)
e \$ <sup>7</sup> ,6)		(i) K and J	
		ii) K and M	(2mks)
	c)	Account for your answer in b(i) (ii)	(4mks)

	ê <sup>Ç</sup>	
	a de la companya de	
	, L. C.	
	and X	
	A Commence of the Commence of	
d)	Write a work equation for the reaction taking place in tube M.	(2mks)
u)	*	,
	·······	
	ça¥	
	a <sup>X</sup>	
	<sup>♦</sup> 6 <sub>9</sub> ×	
CSE		
Ralo	w are photographs labelled J and K of organs obtained from different	ant animals The organs
		annais. The organs
perfo	orm similar functions.	
	APTIC NAME	
	Part labelled W enlarged  Y Z Photograph K	
a)	Photograph J Identify the organs	(2mks)
	J	
	K	
b)	State the functions performed by the organs.	(2mks)



(3mks)

J		aQ.	250	
X		a co		 
Y	۶	, e		
Z	William .			 
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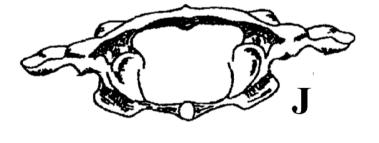
(3mks)

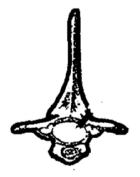
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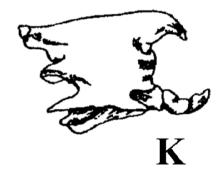
ii) Using observable features state how the parts labelled 1 and 3 you identified in (d)(i) above are adapted to their functions. (4mks)

1																																															
J	L	•		•	•	•	•	•	•	•	 	 		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	• •		•	•	•	•	•	•	•	•	 ٠.	

3. Below are diagrams of specimens J K and L that have been obtained from different regions of the same mammalian body. Examine them.







4

	a)	i)	Identify the diagrams	
			Jeggsty	
			K Krain Free	
More fire			L zigit	
		ii) Q <sup>at</sup>	State one functions for each of the diagrams	
c.	e ACSP	\$	J	
40te Ete			K	
			L	
	b)	i)	State two adaptations of L to its function in above.	(2mks
		ii) 	Name the structure that fits into the large opening of J, K and L	(1mk)
	c)	Name	three features that difference late specimen L from specimen J and K.	(3mks

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