NAME:	for free papers visit www.freekcsepastpapers.com				
<b>DATE:</b>	CANDIDATE'S SIGN:				
231/3					
BIOLOGY					
PAPER 3					
PRACTICAL					
MARCH/APRIL, 20	16				

## MOKASA JOINT EVALUATION EXAMINATIONS

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

231/3 **BIOLOGY** PAPER 3 PRACTICAL MARCH/APRIL, 2016 TIME: 1 3/4 HOURS

## **INSTRUCTIONS TO CANDIDATES**

TIME: 1 ¾ HOURS

- Write your Name and Index No. in the spaces provided above
- Answer ALL the questions in the spaces provided

## FOR EXAMINERS USE ONLY

QUESTION	MAXIMUM SCORE	CANDIDATES SCORE
1		
2		
3		
TOTAL	40	

provide a)	u wait, ca	arry out the ill the table			L1 and L2	separately.	Use only the rea	
a)	led and fi		below.				(6 m	
		Test						
Ţ 1		1031	-	Procedure	Obser	rvation	Conclusion	
L1								
L2								
b)	Remove some solution from the beaker after 20 minutes from the time you set the experiment and test for the two food compounds you tested in (a) above							
	Test			Observation		Conclusion	n	
_								
_							(2 m	
	Add 3 drops of iodine solution into the beaker. After 6 – 10 minutes, what do you obser (i) The beaker (1 ma							
			•••••					
	(ii) V	/isking tube					(1 m	

d)	What physiological process is being tested in step (b) and (c) above	(1 mark)
e)	Account for your observations in steps (b) and (c)	(3 marks)
-,		······································
Relo	w is a photograph of an organism. Examine it and answer the questions that f	follow

2.

a) The actual length of the pair of scissors next to the organism is 12.5cm. Using this information, calculate actual length of the organism. (4 marks)

b)	The photograph below shows structures visible after removing the parts labelled P. magnified view of one of the structures.	The inset is a
(i)	Name the parts labelled R, S and T R	(3 marks)
	S	
	T	
(ii)	Explain how each of the parts named in (i) above is adapted to its function R	
	S	
	T	
c)	The photograph below shows the inner surface of the upper left side of the rib cage.	

		Explain the role of the part labelled M in inhalation	(4 marks)		
			••••••		
3.	(i)	Identify the fruits labelled S	(5 marks)		
		L			
		M			
	(ii)	Give a reason for your identify of the specimen; S	(3 marks)		
		R			
		M			
	(iii)	Briefly describe any two types of placentations found in the fruits provided in 3(i) above (2 marks)			
	(iv)	State one difference between a seed and a fruit	(1 mark)		
	(v)	Using the handlens provided draw the fruit labelled R	(3 marks)		