Name	Index No:
231/3	Candidate's Signature
BIOLOGY PAPER 3	Date:
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JULY/AUGUIST- 2014 TIME: 1 ³ / ₄ HOURS	da.
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RACHUONYO SOUT	TH SUB - COUNTY JOINT EVALUATION EXAM
	rtificate of Secondary Education (K.C.S.E.)
	231/3

231/3 **Biology** Paper 3 1 ¾ Hours

INSTRUCTIONS TO CANDIDATES

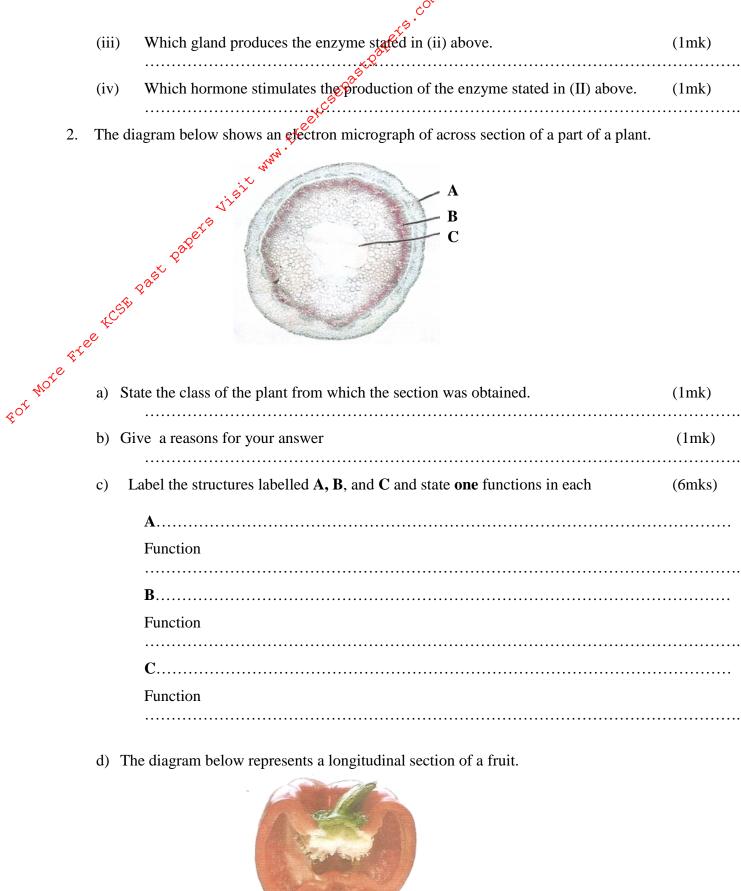
- Write your **name** and **indexnumber** in the spaces provided above
- **Sign** and write the **date** of examination in the spaces provided.
- Answer *all* the questions in the spaces provided.
- You are required to spend the first 15 minutes of the 1 3/4 hours allowed for this paper reading the whole paper carefully before commencing your work.
- Additional pages must not be inserted.
- Candidates should check to ascertain that all pages are printed as indicated and that no questions are missing.
- candidates must answer all questions in English

For Examiners Use Only

Question	Maximum score	Candidate's
		score
1		
2		
3		
Total	40	

This paper consists of 4 printed pages. Candidates should check to ascertain that all pages are printed as indicated and that no questions are missing.

and B . Cut 2 c	clean test tubes and into each add 5cm of dilute hydrogen peroxide. I tubes of irish potato measuring 1cm each. Boil one cube in a boiling tube minutes.	be with some water for
Drop tl	ne boiled cube into test tube \mathbf{A} and unbolied cube in test tube \mathbf{B} . State y ube \mathbf{A}	our observations
(a) Test to	ube A	(1mk)
•••••		
Test to	ibe B	(1mk)
	्र ^{ढ़} ॅ	
(b) Accor	ont for your observations in	(1mk)
65 ee		
······		
Test tu	be B	(2mks)
	a small piece of substance Z provided and add to it 2cm ³ of sodium hy	
(i) Sta	te your observations	(1mk)
(ii) W	hich physiological process in the body is illustrated above	(1mk)
	tate the part of the body where the process takes place.	(1mk)
		, , ,
•••••		
(iv)W	hat is the significance of the process	(1mk)
•••••		
	cm ³ of liquid labelled as C into a test tube. Squeeze some juice from special some of the juice into a dropper. Add 3 drops of the juice into the test to State your observation.	ecimen X into a beaker
(ii)	State the part of the human body where the physiological process den and the enzyme that carriers out the process. Part of body	nonstrated above occur (2mks)
	Enzyme	•••••
	Lilzyine	





(i)	State the type of fruit	(1mk)
(ii)	Give a reason for your answer in (i) above	(1mk)

