	Oft
NAME:	「INDEX NO:
e ^t	
SCHOOL:	CANDIDATE'S SIGNATURE:
a Rot	
A CONTRACTOR OF CONTRACTOR	DATE :
c + e e	
231/3	
BIOLOGY	
PAPER 3	

NANDI NORTH SUB-COUNTY JOINT **EVALUATION 2014**

FOT NOTE Free KCSE Kenya Certificate of Secondary Education (K.C.S.E.) BIOLOGY PAPER 3 TIME: 1³/₄ HOURS

INSTRUCTIONS TO CANDIDATES:

Past

JULY / AUGUST 2014 TIME: 1³/₄ HOURS

- (i) Write your <u>Name, Index Number</u> and <u>School</u> in the spaces provided.
- (ii) <u>Sign</u> and write the <u>Date</u> of Examination in the spaces provided.
- (iii) Answer all the questions in the spaces provided.
- (iv) You are required to spend the first 15 minutes of the 1³/₄ hours allowed for this paper reading the whole paper carefully before commencing your work.

QUESTION	MAX. SCORE	CANDIDATE'S SCORE	
1	14		
2	17		
3	09		
TOTAL	40		

FOR EXAMINER'S USE ONLY

SECTION A (40 MARKS) Answer all questions in this section in the spaces provided.

con

(a) Examine the photograph below carefully and answer the questions that follow.



(i)	What name is given to the coiled part labeled M found on the photograph?	(1mk)
(ii)	Name the type of response shown in the photograph.	(1mk)
(iii)	Name the stimulus responsible for the response named in (ii) above.	(1mk)
(iv)	Explain the mechanism of the response.	(3mks)
(v)	State the biological significance of the response described in (iv) above survival of the specimen.	/e to the (2mks)

(b) **Photograph F** illustrates the observations made two weeks after the plant was trimmed.



(i) Name the phenomenon that was experienced by the plant before it was trimmed.

	apet?	(1mk)
	\sim	(3mks)
<i>t</i> c	\$°	
\$ree		
Nore	(iii) Explain the application of the practice in agriculture.	 (2mks)
€°		

- 2. You are provided with solution L and Laboratory Reagents. Use it to carry out experiments as follows:
 - (i) Take the filter paper and carefully fold it twice through the middle. Open it up to make a funnel. Put it in a plastic funnel. Place the set up in 100ml beaker.
 - (ii) Take 15mls of solution L add 5 drops of dilute hydrochloric acid (HCL).

(a)	Record your observations.	(1mk)
(b)	Where in the body is HCL found and what is its importance in the body?	(1mk)

(iii) Using the set up, filter solution L into the 100ml beaker. Remove from the filter paper all the materials on it and place them in a Petri dish using the spatula. Dry the filter paper over flame care being taken not to burn it.

(a)	Record your observations.	(1mk)
(b)	What conclusion do you make on the observation?	(1mk)

(c) What name is given to this test? (1mk)

con

(iv) Use the provided reagents to carry out food tests on the filtrate and residue by filling in the table below.

FILTRATE

	FOOD BEING TESTED	PROCEDURE	OBSERVATION	CONCLUSION
~	245			
1C5 th				
of ee t				
MOTET				
*OF				

RESIDUE

FOOD BEING TESTED	PROCEDURE	OBSERVATION	CONCLUSION

Briefly explain what happened if there are any difference between results of filtrate and residue.

