

July/Aug,2011 TIME 1HR 45 MIN

BARINGO COUNTY IMPROVEMENT EXAMS

INSTRUCTIONS TO CANDIDATES

Answer all questions

You are required to spend the first 15 minutes of the 1¾ hours allowed for this paper reading the whole paper carefully before commencing your work.

Answers must be written in the spaces provided in the question paper.

Additional pages must not be inserted

FOR EXAMINER'S USE ONLY

Question	Maximum score	Candidate's score
1	16	
2	14	
3	10	
Total score	40	

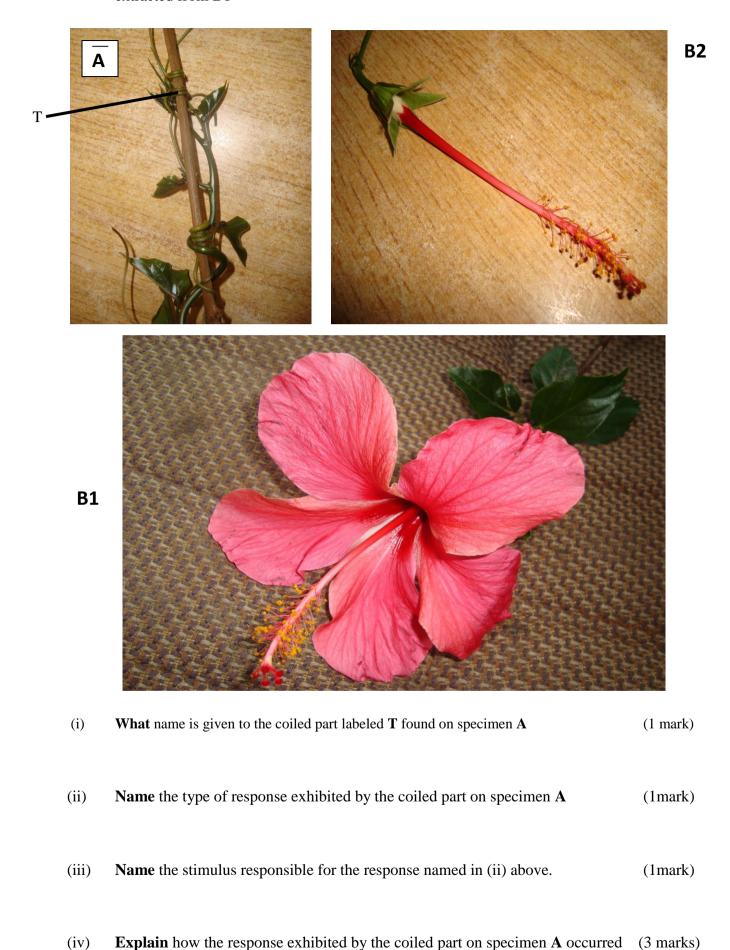
Into the test-tu Into the test tu Place the two (Ensure that	-tubes A and B ube labeled A , add 1	ml of solution O and 1ml		conclusion
Label two test Into the test-tu Into the test tu Place the two (Ensure that	-tubes A and B ube labeled A , add 1	ml of solution O and 1ml		
Into the test-tu Into the test tu Place the two (Ensure that	ibe labeled \mathbf{A} , add 1	ml of solution O and 1ml		
sugar followir	the temperature of tes, test the content of the procedure in (ml of Q and 1ml of boiled a, and B into a water <u>bath n</u> f the water bath does not as of each of the test tubes (a) above.	R naintained at 37 ^o fall below 35°C	exceed 38°C.)
	,	· · ·	concl	ucion
A	Starch	Observation	Concr	usion
	Reducing sugar			
В	Starch			
	Reducing sugar			
Account for the	ne results at the end	of the experiment in the te	st tube labeled.	(2 mar)
(ii) B				(2 mar
(i) Give	the identity of soluti	on R.		(1 mark
(ii) Give t	two reasons for you	r answer (d)(i) above.		(2 mark
	Test tube A Account for the iii B	Test tube Test tube Reducing sugar Starch Account for the results at the end i) A	Record your observations in the table below. (4mks) Test tube Food substance observation Starch Reducing sugar Starch Reducing sugar Starch Account for the results at the end of the experiment in the te i) A ii) Give the identity of solution R.	Record your observations in the table below. (4mks) Test tube

(ii)

Give a reason for your answer in (e)(i) above.

(1 mark)

Q2. (a) Examine photograph A, B1 and B2 carefully and answer the questions that follow. B2 was extracted from B1



(v) **State** the biological significance of the response described in (iv) above to the survival of the specimen. (1 mark)

b) Use photographed specimens labeled **B1** and **B2** above to answer the questions below.

(i) State the agent of pollination for the specimen above.

1mk

(ii) Give a reason for your answer.

1mk

(iii) Describe the external features of leaves of the specimen **B2**.

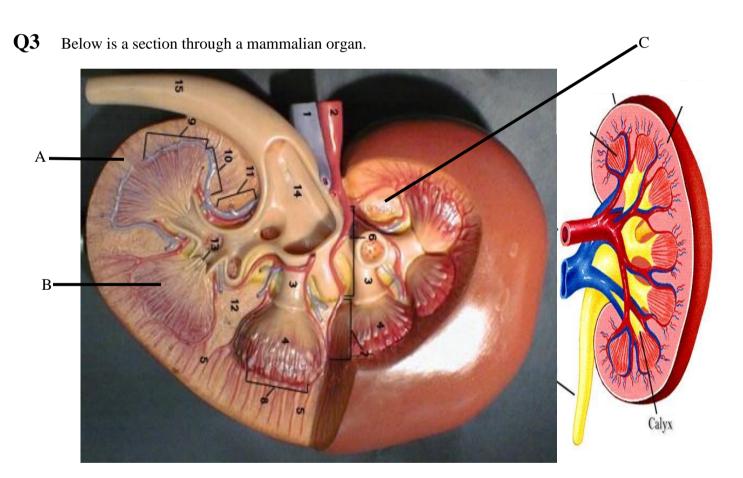
(3mks)

(iv) Based on the floral parts, state the class to which specimen **B** belongs.

1mk

(v) Give a reason for your answer in (iv) above.

(1mk)



i) Identify the section _____ (1mk)

ii) Name the parts labeled **A**, **B** and **C** (3mks)

A _____

В _____

C _____

iii)	State two functions of the photographed specimen.	(2mks)
iv)	Label on the photograph using ${\bf G}$ and ${\bf L}$ the region where the Glomerulus , and Loop of Henle are located respectively.	(2mks)
(v)	Name a process that occurs in the glomerulus and Loop of Henle Glomerulus	
	Loop of Henle	(2mks)