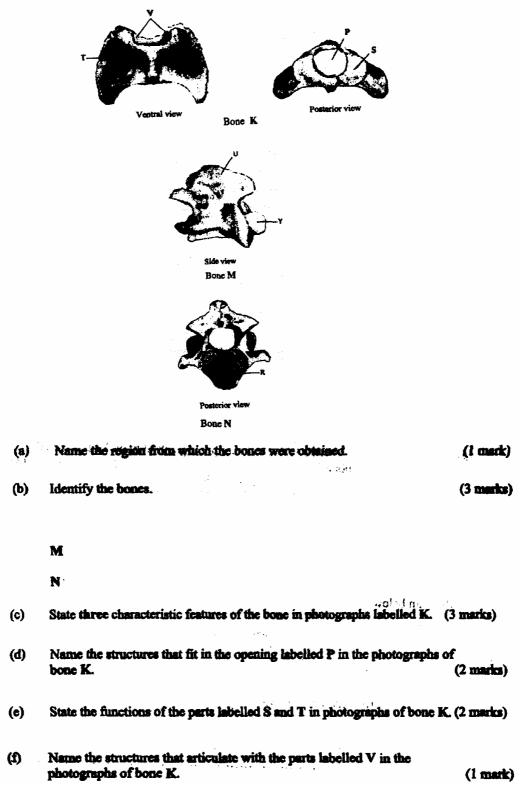
THE KENYA NATIONAL EXAMINATIONS COUNCIL Kenya Certificate of Secondary Education Biology Paper 3 Practical 2006 1. The photographs below are of bones obtained from the same region of a mammalian body. Photographs labelled K are different views of the same bone while M and N are views of different bones.

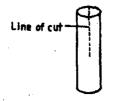


(g) Name the parts labelled U and M in the photograph of bone M and R in the photograph of bone N. (3 marks)

2.`

3.

You are provided with two pieces of plant material labelled specimen D. Using a scalpel cut a slit halfway through the middle of each piece as shown in the diagram below.



Place one piece in the solution labelled L_1 and the other in solution labelled L_2 . Allow the set up to stand for 30 minutes.

(a) After 30 minutes remove the pieces and press each gently between the fingers.

	(i)	Record your observations.	
	·	L _t	(1 mark)
		L ₂	(1 mark)
(b)) Ex	aming the pieces.	
	(i)	Record other observations beside those made in (a) (i) above.	(3 marks)
	(ii)	Account for the observations in (a) (i) above.	_r (5 marks)
	(ii)	Account for the observations in (b) (i) above.	(2 marks)
You	are prov	vided with three sets of seedlings labelled A,B and C. Examine the	m.
(a)	State	the conditions under which each set was grown.	(3 marks)
(b)	State	four differences between the seedlings in set A and B.	(4 marks)
(c)	(i)	Name the phenomenon exhibited by seedlings in set B.	(1 mark)
·	(ii)	Give a reason why plants exhibit the phenomenon named in (c)(i) above.	(1 mark)
(d) .	Name	the response exhibited by the seedlings in set C.	(1 mark)
(e)	Expla	in how the response named in (d) above occurred.	(3 marks)

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