29.4.3 Biology Paper 3

Name		
231/3	Candidate's Signature	
BIOLOGY		
Paper 3	Date	
(PRACTICAL)		
Oct./Nov. 2008		
$1^3/_4$ hours		

THE KENYA NATIONAL EXAMINATIONS COUNCIL Kenya Certificate of Secondary Education
BIOLOGY
Paper 3
(PRACTICAL)
13/4 hours

Instructions to candidates

Write your name and index number in the spaces provided at the top of this page. Sign and write the date of examination in the spaces provided above. Answer ALL the questions.

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.

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	15	
2	9	
3	16	
Total Score	40	

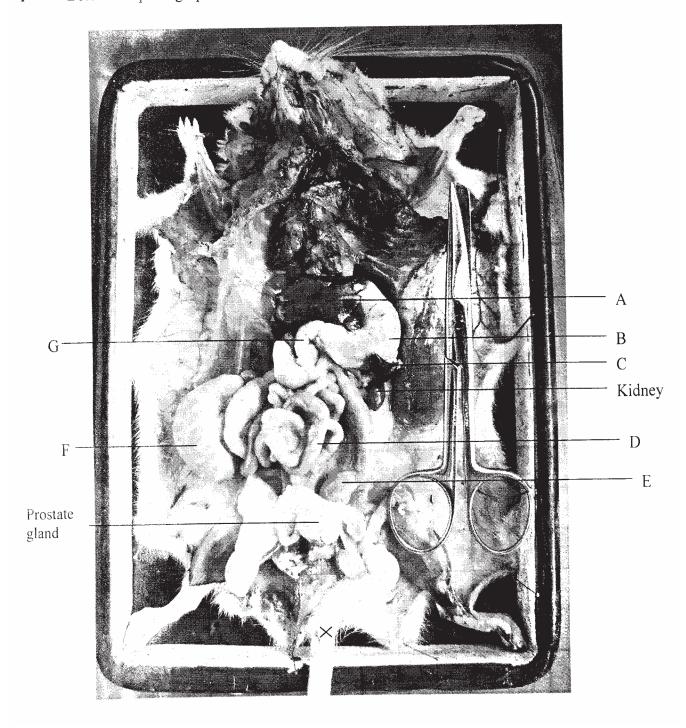
This paper consists of 7 printed pages.

Candidates should check the question paper to ascertain that all the pages are printed as indicated and no questions are missing.

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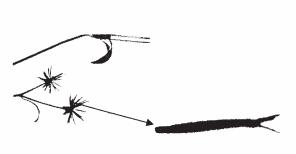
Turn over

Below is a photograph of a dissected mammal. Examine the photograph.

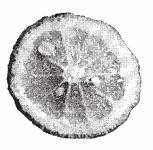


(a)	Nam	te the parts labelled A, B, C, D and G.			(5 marks)		
	A						
	В			· · · · · · · · · · · · · · · · · · ·			
	C						
	D						
	G			••••	····		
(b)	State	the function of t	he structures labelled E	and F .			
	E				· · · · · · · · · · · · · · · · · · ·		
			•		(1 mark)		
	F						
(c)	In the	e photograph labe	el the structure where vi	tamin K is produced.	(1 mark)		
(d)	(i)	Name the sex	of the mammal in the pl	hotograph.	(1 mark)		
	(ii)	Give a reason	for your answer in (d) (i) above.	(1 mark)		
(e) (i) The actual length of the dissecting scissors in the p							
		Calculate the i	magnification of the pho	otograpn.	(2 marks)		
	(ii)	Calculate the a point X on the		mmal from the tip of the	nose to (2 marks)		
2	substa	inces, while ${f X}$ is	10% sodium hydroxid	T, U, X and Y. S, T and e solution and Y is 1% of d substance(s) in S, T and	copper sulphate		
Subs	tance	Food substance being tested for	Procedure	Observations	Conclusion		

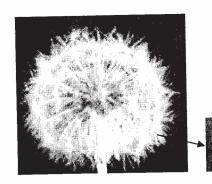




SPECIMEN K



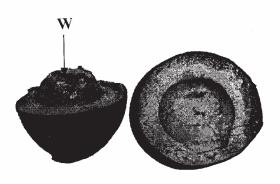
SPECIMEN L



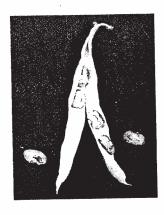
SPECIMEN M



SPECIMEN N



SPECIMEN P



SPECIMEN Q

(a) In the table below name the mode of dispersal and the features that adapt the specimen(s) to that mode of dispersal. (12 marks)

Specimen	Mode of dispersal	Adaptive features
K		
L		
М		
N		
P		
Q		

(b)	(i)	Label any two parts on specimen L.

(2 marks)

(ii) State the type of placentation in specimen L.

(1 mark)

(c) Name the structure labelled W on specimen P.

(1 mark)