Name		<sub></sub> ô`.	***********	 Inde	( No:					
231/3	~	Coex		Cana	lidate's Si	anatur	ρ.		of a section	-
BIOLOGY	_ee	>		Date						
Paper 3	2.5	i.						i		
(PRACTICAL)	win.									
Iul / Aug 2013	<b>✓</b>						4.1			

## MARANDA HIGH SCHOOL-MOCK

BIOLOGY Paper3 (PRACTICAL) 234 hours

### Instructions to candidates

- Write your name and index number in the spaces provided above.
- > Sign and write the date of the examination in the spaces provided above.
- > Answer ALL the three questions in the spaces provided.
- > Spend the first 15 min of the 1hr 45min to read through the paper carefully before commencing your work.
- Additional pages must NOT be inserted.
- > This paper consists of 5 printed pages.
- > Candidates should check the question paper to ensure that all the pages are printed as indicated and no question is missing.

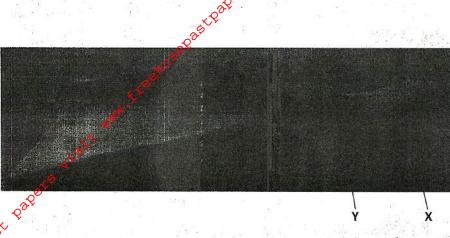
#### For Examiner's use Only

QUESTION	MAXIMUM SCORE	CANDIDATE'S SCORE
1	13	
2	14	
3	13	
TOTAL	40	

1(a). You are provided with specimen K which is a plant tissue cut it into two equal halves long is udinally and place one half into solution  $L_1$  and the other into solution  $L_2$  provided. Allow it to stand for 20min and then remove and wipe excess solution using tissue paper.

	12.0	Q;		issues.	(2mk
A Company	draw labeled illustrations s	8.7e			n w swi
	fr.	· · ·			t harding
	, in				
	, o'i	to Right			
	$\mathcal{A}^{\gamma}$			TO PAGE	
	6, C	797			
	Oak -	t de	0 251		
	ex Y				
	₽ <sup>®</sup>		TWI TO		
C SE		22	Second		
4			# a		
illegia dose os	ach piece feel when presse	d			(4 )
on the does ea	ich piece leef when presser	u			(1ml
iece in solutio	n L <sub>1</sub>				
iece in solutio	n L <sub>2</sub>				
iii)Account for	the results of the piece in	L,			(3mar)
- special company					(=::::::::
4	4.				
	a na militara na na mata na ana ana ana ana ana ana ana ana a				
o)(i).You are pro	ovided with solution N whi	ich is a food substa	nce, solution	H –Benedi	ct's solution,
o)(i).You are pro olution G — <b>lod</b> eagents provid	ovided with <b>solution N</b> whi ine solution, and solution I ded to complete the table b	ich is a food substa F whose identity is pelow:	nce, solution not known. (	H –Benedi	ct's solution, od tests using the (3mark:
o)(i).You are prool	ovided with solution N whi	ich is a food substa F whose identity is	nce, solution not known. (	H –Benedi	ct's solution,
o)(i).You are pro olution G — <b>lod</b> eagents provid	ovided with <b>solution N</b> whi ine solution, and solution I ded to complete the table b	ich is a food substa F whose identity is pelow:	nce, solution not known. (	H –Benedi	ct's solution, od tests using the (3mark
)(i).You are pro olution G — <b>Iod</b> eagents provid	ovided with <b>solution N</b> whi ine solution, and solution I ded to complete the table b	ich is a food substa F whose identity is pelow:	nce, solution not known. (	H –Benedi	ct's solution, od tests using the (3mark
)(i).You are pro olution G — <b>lod</b> eagents provid	ovided with <b>solution N</b> whi ine solution, and solution I ded to complete the table b	ich is a food substa F whose identity is pelow:	nce, solution not known. (	H –Benedi	ct's solution, od tests using the (3mark
)(i).You are pro olution G — <b>Iod</b> eagents provid	ovided with <b>solution N</b> whi ine solution, and solution I ded to complete the table b	ich is a food substa F whose identity is pelow:	nce, solution not known. (	H –Benedi	ct's solution, od tests using the (3mark
)(i).You are pro olution G — <b>Iod</b> eagents provid	ovided with <b>solution N</b> whi ine solution, and solution I ded to complete the table b	ich is a food substa F whose identity is pelow:	nce, solution not known. (	H –Benedi	ct's solution, od tests using the (3mark
)(i).You are pro olution G — <b>Iod</b> eagents provid	ovided with <b>solution N</b> whi ine solution, and solution I ded to complete the table b	ich is a food substa F whose identity is pelow:	nce, solution not known. (	H –Benedi	ct's solution, od tests using the (3mark
)(i).You are prool olution G — <b>lod</b> eagents provid	ovided with <b>solution N</b> whi ine solution, and solution I ded to complete the table b	ich is a food substa F whose identity is pelow:	nce, solution not known. (	H –Benedi	ct's solution, od tests using the (3mark
)(i).You are proolution G —lod eagents provid	ovided with solution N whi ine solution, and solution I ded to complete the table b PROCEDURE	ich is a food substa F whose identity is pelow: OBSER\	nce, solution not known. (	H <b>-Benedi</b> Conduct foo	ct's solution, od tests using the (3mark CONCLUSION
i)Place 3cm <sup>3</sup> of	ovided with solution N white ine solution, and solution ided to complete the table by PROCEDURE  PROCEDURE	ich is a food substar F whose identity is pelow:  OBSERV	nce, solution not known. ( /ATION	H — <b>Benedi</b> Conduct foo	ct's solution, od tests using the (3mark  CONCLUSION
i)(i).You are proolution G — <b>lod</b> eagents provid	ovided with solution N white ine solution, and solution ided to complete the table by the PROCEDURE  PROCEDURE  f solution N in a test tube to day the solution of the solutio	ich is a food substar F whose identity is pelow:  OBSERV	nce, solution not known. ( /ATION	H — <b>Benedi</b> Conduct foo	ct's solution, od tests using the (3mark CONCLUSION
o)(i).You are proof olution G —lod eagents provide EST	ovided with solution N white ine solution, and solution ided to complete the table by the PROCEDURE  PROCEDURE  f solution N in a test tube to day the solution of the solutio	ich is a food substar F whose identity is pelow:  OBSERV	nce, solution not known. ( /ATION	H — <b>Benedi</b> Conduct foo	ct's solution, od tests using the (3mark  CONCLUSION  nixture in a water
i)Place 3cm <sup>3</sup> of ath maintained	ovided with solution N white ine solution, and solution ided to complete the table by the PROCEDURE  PROCEDURE  f solution N in a test tube to dat 40°C for 15 minutes. Ride.	ich is a food substar F whose identity is pelow:  OBSERV	nce, solution not known. ( /ATION	H — <b>Benedi</b> Conduct foo	ct's solution, od tests using the (3mark  CONCLUSION  nixture in a water
i)Place 3cm³ of	ovided with solution N white ine solution, and solution ided to complete the table by the PROCEDURE  PROCEDURE  f solution N in a test tube to dat 40°C for 15 minutes. Ride.	ich is a food substar F whose identity is pelow:  OBSERV	nce, solution not known. ( /ATION	H — <b>Benedi</b> Conduct foo	ct's solution, od tests using the (3mark  CONCLUSION

(iii) State the identity of solution F. (1 mark) (iv) Account for the results in b (iii) above. (2 marks) 2. Study the photographs of bones below and answer the questions that follow **♥**РНОТОGRАРН Т PHOTOGRAPH R PHOTOGRAPH Q (anterior view) FOR NOTE Free KCSE PHOTOGRAPH Q (side view) PHOTOGRAPH S (anterior view) PHOTOGRAPH S (side view)



a (i) Giving reasons in each case identify the bones Q, R and S.

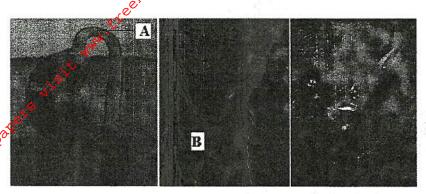
(3 marks)

Bone	Name	11/11/2019	Reason			55.0	ijprement
Q							
Q e					L No lo		
S							
(ii) Us	sing observ	able features only st	ate two way	s in which b	oone Q Is adap	ted to its fu	nctions. (2 marks)
			6		I V		
•••							
	- 30						
b (i) ld	entify the	parts labeled X and Y	in bone P ar	nd in each o	case name the	bone that a	rticulates with
		ed in bone P.			n ar		(4 marks)
		*					(* marks)
	Part X:						
			**				
1	Bone art	iculating with:	••••••••				
	Part V				1		VA 12
-	i di ti			eridi.			
Medical Control	Bone art	iculating with:				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TRANSPERING
c. In p	hotograph	Т;					Yalan Pana Pana
/:\ NI=		t shown					
(i) ivai	ne the Join	t snown	••••••••••	***************************************			1 12 2 2 2 2 2 2
(ii) Sta	te two sim	ilarities between the	ioint shown	and the ioi	int in formed a	t part X in p	hotograph P.
					mala ef		(2 marks)
1000						y 123	
		115 (4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
		0000 7 17 1 14 1 16 1			10 miles (1) d	(A) 有數、型	
200			- 0				
(iii) Sta	ate two fur	ections of the part lab	peled N.		†-		(2 marks)

3 study the photographs below and answer the questions that follow:

# PHOTOGRAPH J

#### PHOTOGRAPH K



CSE PO