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231/3 BIOLOGY Paper 3 (PRACTICAL) 1 % Hours

## TOP NOTCH EXAM MERIT TWO (PRE-MOCK) 2016 KENYA CERTIFICATE OF SECONDARY EDUCATION.

## RUCTIONS TO CANDIDATES INS

- Write your name and admission number in the spaces provided
- Sign and write the date of examination in the spaces provided above 2.
- Answer all the questions in the spaces provided 3.
- You are required to spend the first 15 minutes of the 1 % hrs allowed for this paper reading the whole paper carefully.

## For examiners use only:

OTESTION	MAX.SCORE	CAND	DATES		
1	12		4.7		. ·
2	15				
3	13			F1 17	

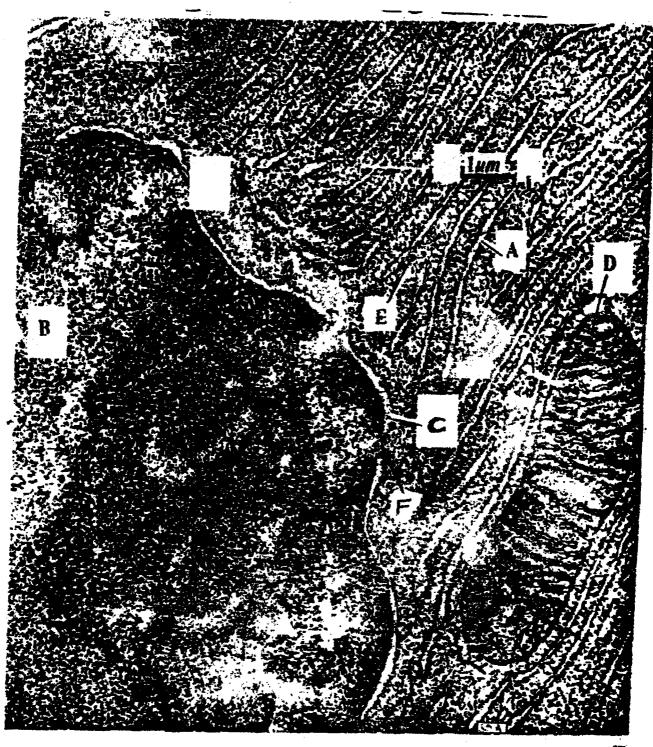
BE BELLEVIOLED OF BUT OFF WAR THE PASS ! KARON

This paper consists of 2 printed pages. Candidates should check the question paper to Ensure that all the pages are printed as indicated and no questions are missing.

You are provided with an electron mi	істоgraph which shows	a part of a cell l	nighly n	nagnified.
		**************************************		
A	. <b></b>	:	· •	(1mk)
<u> </u>		•		(1mk)
D	$T^{n_{n}}$	The state of		(1mk)
State the functions of B, E, and F			<i>t</i> *.	
В		•		(1mk)
E				(1mk)
. F				(1mk)
State one way in which the structur	res labelled A and D ar	e suited to their	functio	
<b>A</b>				(1mk)
D				(1mk)
Calculate the actual length (x-y) of				
			, , , , , , ,	(2mks)
				(====)
	en e		· ·	
	•			
From the micrograph suggest one c	cell activity that is takin	g place and surv	nort it v	rith
evidence from the micrograph.		e I arra path	POZEZE V	ratel.
Cell activity			_	(1mk)
	Name the structure labelled A, C  A  C  D  State the functions of B, E, and F  B  E  F  State one way in which the structure A  D  Calculate the actual length (x-y) of	Name the structure labelled A, C and D  A  C  D  State the functions of B, E, and F  B  E  F  State one way in which the structures labelled A and D ar A  D  Calculate the actual length (x-y) of the organelle labelled  From the micrograph suggest one cell activity that is takin	Name the structure labelled A, C and D  A  C  D  State the functions of B, E, and F  B  E  F  State one way in which the structures labelled A and D are suited to their A  D  Calculate the actual length (x-y) of the organelle labelled Dic microns shown in the micrograph suggest one cell activity that is taking place and supplementary in the micrograph suggest one cell activity that is taking place and supplementary in the micrograph suggest one cell activity that is taking place and supplementary in the micrograph suggest one cell activity that is taking place and supplementary in the micrograph suggest one cell activity that is taking place and supplementary in the micrograph suggest one cell activity that is taking place and supplementary in the micrograph suggest one cell activity that is taking place and supplementary in the micrograph suggest one cell activity that is taking place and supplementary in the micrograph suggest one cell activity that is taking place and supplementary in the micrograph suggest one cell activity that is taking place and supplementary in the micrograph suggest one cell activity that is taking place and supplementary in the micrograph suggest one cell activity that is taking place and supplementary in the micrograph suggest one cell activity that is taking place and supplementary in the micrograph suggest one cell activity that is taking place and supplementary in the micrograph suggest one cell activity that is taking place and supplementary in the micrograph suggest one cell activity that is taking place and supplementary in the micrograph suggest one cell activity that is taking place and supplementary in the micrograph suggest one cell activity that is taking place and supplementary in the micrograph suggest one cell activity that is taking place and supplementary in the micrograph suggest one cell activity that is taking place and supplementary in the micrograph suggest one cell activity that it is taking place and supplementary in the micrograph suggest one cell activity tha	C

2. During a field study, a student took a photograph of a flower as shown below.

		Agter disec	rany
	하다 교리를 즐겁다 하는 사람들이 되었다.		
(a)	Name the parts marked Q,R,S and X		
i de la composición dela composición de la composición de la composición dela composición dela composición dela composición de la composición de la composición de la composición dela composición de la composición dela c	Q		(1mk)
	R_		(1mk)
	S		(1mk)
· (b)	Α	_	(1mk)
(b)	State the functions of parts X and R		
	X		(1mk)
(-)	R. O. J. W. A. J. W.	· .	_ (1mk)
(c)	Briefly describe the nature of the corolla of the flower above		(1mk)
••••			••••••
(a)	Briefly describe the nature of the calyx of the flower above		****
	active of the caryx of the flower above	And Andrews	(1mk)
••••			••••••
(e)	What type of ovary does the flower have		• • • • <sub>***</sub>
	The state of the s		(1mk)
<b>(f)</b>	(i) With reference to part labelled Q state the class of the pla		••••••
	took the flower	nt from which t	he studen
	class		
		No. of the	(1mk)
	(ii) Give a reason to support your answer in f (i) above	****************	
•••••			(1mk)
*****		••••••	·************



x40,000

194.1	(i)Agent				(11-)
••••	(ii)Reasons				(1mk)
• • • • • •	******************	•••••••••••	***************************************	******************	*******
h)	Name the type of placentation	on in the ov	ary of this flower		****

3. You are provided with a sample of food labelled N in solution form. Using the apparatus and reagents provided, carry out the various food tests in order to determine the composition of solution N

(a)

(a)			· · · · · · · · · · · · · · · · · · ·
Food substance	Procedure	Conclusion	Froce, ute
		,	
<b>4</b> , 1			
	*		
4			
	•		

<b>(b)</b>	A student ate	a lot of beef, as	a learner of	Biology	was this w	ise? Explain	sindero <b>(lm</b>	de lor of be
-								
			•••••	*****	***********	***********	•••••••	eneghtiss sonds