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KASSU JOINT EXAMINATION

Kenya Certificate of Secondary Education

TIME: 2 Hours

Instructions to Candidates

- Write your name, admission number, class and signature in the spaces provided at the top
- Answer all the questions in the spaces provided in this paper.

For Examiners Use Only

SECTION A	MAXIMUM SCORE	CANDIDATE SCORE
Question		*
1 - 25	80	

	1.	(a)	What is a teat pipette use Pfor in Biology Laboratory Lesson?	(1 mrk)
		(b)	Give the name of a reagent that is used to test substances and at the as a stain in the laboratory.	same time used (1mrk)
	2.	1. &	ne of a certain garden plant is Duranta Repens What is the meaning of repens?	()
Š.	iee ice	Ç ^o v ii.	Identify one mistake shown by the written name.	(1 mrk)
notet	•	iii.	Distinguish between a <i>genus</i> and a <i>Species</i> as Taxa used during classif Organism.	ication of the (2mrks)
	3,	A form	orm one student observing Onion epidermal cells under the low power objectiv inted 5 cells on a field of view measuring 5mm	
		(a)	Estimate the size of one cell.	(1 mrk)
		(b)	If the eye piece magnification used was × 10 and that of the objective What was the magnification of the microscope? Show your working	ve lens was × 10. . (2 mrks)
		(c)	Estimate by approximation the Number of cells that would be obserobjective lens magnification was changed to x 40	rved if the (1mrk)

	(d)	What is the role of centricle in animal cells?	(1mrk)
		Ere	
4.	Expla	in the following statements:	
	i.	The action of ptyalin stops at the stomach.	(1mrk)
.0	ţa ⁿ . iii.	The small intestines contain Villi.	(1mrk)
4.C		,	
y e	iii.	High temperatures stop enzyme action.	(1 mrk)
	iv.	Lack of magnesium leads to yellowing of leaves in plants.	(2 mrks)
	v.	The thyroid glands swell, in some individuals	(1 mrk)
5. Name one cofa		one cofactor and one co-enzyme required for a blood clotting proces	
	a)	Co-factor -	(1mrk)
	b)	co-enzyme	(1mrk)
6.	What	is counter current Mechanism in a Tilapia fish?	(2mrks)

7.	State t	hree adaptations of the Red blood cell to its function.	(3 mrks)

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25. What is a

(i)	tendon?	(1mrk)
	<u> </u>	
(ii)	ligament? Jun	(1 mrk)
	Night	

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