Name:

Form:

Candidate's

Signature:

BLOUGGY

Paper 1

Date:

(THEORY)

March 2014

2 hours

## KCSE MINI-MOCK EXAMINATIONS

## Instructions to Candidates

- (a) Write your name and class in the spaces provided above.
- (b) Sign and write the date of examination in the spaces provided above.
- (c) Answer all the questions.
- (d) Answers must be written in the spaces provided in the question paper.
- (e) Additional papers must not be inserted.
- (f) This paper consists of 7 printed pages.
- (g) Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.
- (h) Candidates should answer the questions in English.

For Examiner's Use Only

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14	2. Name the an	tigens that determine	human blood groups.	10	(1 mark
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	3.(a) What is ho	meostasis?			(1 mark

4. Why is oxygen necessary in the germination of seeds? (2 marks) For More Free Rost Past 5. Name the opening to the chamber of the heart of an insect. mark) 6. Why are bile salts not regarded as enzymes? (1 mark) 7. Name the organs/structures in which meiosis occurs in (a) a rabbit. \_ (1 mark) (b) a bean plant.

(1 mark)

8. Name the causative agent, vector and one possible method of preventing infection with malaria. (3 marks) (a) Causative agent: (b) Kector: (c) Prevention of infection: 9. An organism that has received similar alleles from both its parents is described as being (1 mark) 10. Give two structural differences in the daughter cells produced after mitosis and meiosis. (i)

(ii) :

20. Why is th	e Circulatory sy	stem of a bee said t	o be an open circulatory	system? (2 marks)
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22. A man of	blood group B is	s married to a woma	an of blood group AB. Wi	hat are the nossible bi
	their children?	W 70	and a group ho, wi	
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23. Cardiac co	ntractions said	to be intrinsic. Expla	ain.	(1 mark
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29. Name the blood vessel that supplies blood to cardiac muscle.

(1 mark)

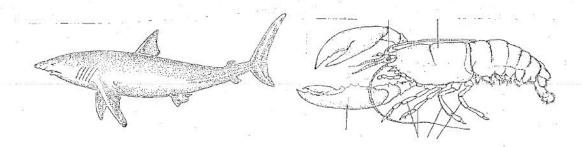
34. Korir observed onion epiders al cells under the light microscope using low power magnification and saw ten cells along the diameter of the field of view. He later viewed the cells using high power magnification.

Giving a reason for your answer, would you expect him to see fewer or more of the cells?

For More Free Kcsti –

(2 marks)

35. Indicate the phyla and classes to which the organisms shown below belong. (4 marks)



Phylum:

Class:

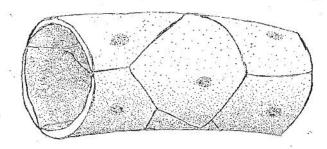
37. Expland why the blood of a mosquito does not transport respiratory gases.

(1 mark)

38. How does denaturation affect enzyme action?

(2 marks)

39. The structure shown below forms part of the circulatory system in man.



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* 8 H		llowing statements	are definitions.		(2 mai
42. Give t	he terms for which the fo	mowing statements			
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