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	SECONDARY SCHOOL, P.O. BOX 327 - 01030, GATUNDU.	
FORM	4 BIOLOGY TUNE - UP EXAMINATION. TERM 2015.	
1.	Name two functions of blood apart from transport.	(2mks
i)		
ii)		
•		
2.	If the ovary of an expectant mother was removed, after 3 months, the pr	egnancy goes
	term without being interrupted. Explain this observation.	(2mks
		•
3.	Identify the products of anaerobic respiration in animals.	(2mks
-	identity the products of what object of the products of what object object of the products of what object o	
i)		
ii)		
_		(2mks
4.	Distinguish between competitive and non - competitive inhibitors.	(
		(2mks
b)	Explain how extreme temperatures affect rate of enzyme activity.	(ZIIINS

off spri	ngs. (1mk
b) woman	Explain why a pregnant woman excrete less urea in her urine than a non – pregnan a. (2mks
c) i)	Give 4 adaptations of red blood cells to their functions.
ii)	
iii)	
iv)	
6.	The diagram below represents a stage during cell division.

ii) Give 2 reasons for your answer in 6(i) above. (2mks a)

b)

7. Give the importance of pollen tube in fertilization in plants. (2mks

8. A student drew 6cm long diagram of a plant flower. If the actual length of the flower was 12 cm. Calculate the magnification of the drawing made by the student. Show your working. (2mks

9. The table below shows the conc. of sodium and iodine in sea water and cell sap of a plant.

	Sodium ion conc.	lodine in conc.
Sea water	250	35
Cell sap	100	550

a(i) Name the process through which the plant cells take up sodium ions. (1mk

ii) Give a reason for your answer in (1) above.

(2mks

- b) If the plant was sprayed with a chemical that inhibit respiration,
- i) Which of the two ions uptake will be affected?

(1mk

ii) Give a reason for your answer in b(i) above?

(2mks