NAME:	INDEA NO:
SCHOOL:	
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231/1	
BIOLOGY	

INDEV NO.

BIOLOGY PAPER 1 THEORY JULY / AUGUST 2007 2 HOURS

NIANTE.

BOMET DISTRICT MOCK EXAMINATION Kenya Certificate Of Secondary Education 2007

231 / 1 BIOLOGY PAPER 1

INSTRUCTIONS TO CANDIDATES

❖ Answer **ALL** questions in this paper in the spaces provided.

For Examiner's Use Only

Questions	Maximum Score	Candidate's Score
1-27	80	

This paper consists of 8 printed pages. Candidates should check the question paper to ensure that all pages are printed as indicated and no questions are missing.

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	(a) What is a vertebra?	(1mk)
	(b) (i) Identify the vertebra represented above.	(1mk)
	(ii) Give two reasons for your answer in b (i) above.	(2mks)
7.	State two reasons why blood flows under high pressure in arteries than veins.	(2mks)
8.	The flow chart shows part of a food relationship in an ecosystem. Animal 1 Animal 2 Rabbits Green plants	
	(a) (i) Name the food relationship shown.	(1mk)
	(ii) How many trophic levels are shown in the diagram?	(1mk)
	(b) What is the main source of energy in the ecosystem?	(1mk)
9.	(i) State two regions in the human alimentary canal where starch is digested.	(2mks)
	(ii) Give a reason for your answer in 9 (i) above	(1mk)

10. State the structural adaptation of the shape of the following.	
(i) Tilapia fish	
(ii) Mitochondria	
(iii) Pinna of the mammalian ear	
11. What is the effect of gibberellins on the shoots of plants?	(4mks)
12. The graph below shows action of heat on enzyme reaction.	
Rate of Enzyme reation A Temperature (°C)	
(a) What is the effect of temperature on the rate of enzyme reaction?	(2mks)
(b) State the relationship between temperature and enzyme activity.	(2mks)
13. (a) Distinguish between pyramid of numbers and Pyramid of biomass.	(2mks)
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(b) Giv	5 ve a reason why pyramid of biomass is a better representation of an ecological r	elationship.
		(1mk)
14. State th	he functions of each of the following parts of male reproductive system.	(3mks)
(a)	Sertoli cells	
(b)	Epidydimis	
(c)	Seminiferous tubules.	•••••
	boiling tube odi layer	
(a)	What process was being investigated?	(1mk)
(b)	State the role of the oil layer in the experiment.	(1mk)
(c)	Suggest the changes observed on the cobalt chloride paper after one hour.	(1mk)

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