Name	Index Number /
221/1 & Leek Cae Pack P	
24csex	Candidate's Signature
231/1 Exte	Date
BIOLOGY while	
PAPER 1 (THEORY) JULY/ AUGUST 2013	
JULY/ AUGUST 2013	
TIME: 2HOURS	

LENOCET EVALUATION TEST KENYA CERTIFICATE OF SECONDARY EDUCATION

231/1

BIOLOGY

PAPER 1 (THEORY)

TIME: 2HOURS

Instructions to candidates

- (1) Write your Name and Index Number in the space provided above.
- (2) Sign and write the date of examination in the spaces provided above.
- (3) Answer all the questions in the space provided.
- (4) Additional pages must not be inserted.
- (5) Answers must be written in the spaces provided.
- (6) This paper consist of 8 printed pages
- (7) Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

For Examiner's use only

Question	Maximum Score	Candidate's Score
1 - 29	80	

			con.	
	1.	What is	s taxonomy?	(1mark)
			eètce	
	2.	(a)	Name the structure in which fertilisation occurs in human female?	(1mark)
		(b)	State two adaptations of the structure you have named in (a) above to its functions.	(2 marks)
		~ ~ ~	at the second se	
4	3. 45.00°	(a)	State two limitations of the fossils as evidence of evolution.	(2marks)
\$Of				
		(b)	Why is Lamarck's theory of evolution not scientifically acceptable?	(1mark)
	4.		y maggot (larvae) quickly burrow into decaying faecal matter as soon as they are d to sunlight.	
		(a)	Name the type of response exhibited by the maggots.	(1mark)
		(b)	Of what value is such a response?	(2marks)
				<u> </u>
	5.	Explair	n what happens to excess amino-acids in the liver of humans.	(3mark)
				_

			e con	
	15.	(a)	Distinguish between growth and development.	(2marks)
			eètce etion	
			What Ete	
		(b)	State the importance of growth in living organisms.	(1mark)
			QAP	
	16.	The dia	agram below represents an organ from a bony fish.	
	16.	e to	S P Q	
Eot W	ř	(a)	Identify the organ	(1mark)
		(b)	State the function of part labelled S	(1mark)
		(c)	State two features that enable part Q to carry out its functions.	(2marks)
	17.	Explain	n what happens when a wilting young plant is well watered.	(3marks)
	18.	Descri	be continental drift as an evidence of evolution.	(3 marks)

	con		
23.	(a) Explain why tracheids are not efficient in transporting water up the plant.	(1mark)	
	(b) What is the significance of xylem vessels being dead?	(1mark)	
24.	State three methods that would be be used to determine the diet of a wild animal in an ecosystem.	(3marks)	
\$1. 40. 25.	What is the role of Antidiuretic hormone in osmoregulation?	(2marks)	
26.			
27.	Below are diagrams of muscles found in mammals. Study them carefully and answer the questions that follow. Nucleus		
	striations Muscle Q Muscle R		
	(a) Name the muscles. Q	(2marks)	
	R	_	

		e com	
	(b)	Give the function of muscle Q.	(1mark)
	(c)	Name one organ in which muscle R is found.	(1mark)
28.	Name	e two organelles that you would expect to be abundant in glandular organs.	(2marks)
		ode ^{ct}	
29.	Name	e the structures in which spores are formed in ferns and state where they are found.	(2marks)
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