

Name..... Index No...../  
School.....Date .....  
Candidate's Signature.....

231/3

**BILOGY**

**PAPER 3**

**(PRACTICAL)**

**JULY/AUGUST - 2012**

**Time: 1 ¾ Hours**

**LOITOKITOK DISTRICT JOINT EVALUATION TEST - 2012**

*Kenya Certificate of Secondary Education (K.C.S.E)*

231/3

**BILOGY**

**PAPER 3**

**(PRACTICAL)**

**JULY/AUGUST - 2012**

**Time: 1 ¾ Hours**

**INSTRUCTIONS TO CANDIDATES**

1. Write your name and Index Number in the spaces provided above.
2. Sign and write the date of the examination in the spaces provided above.
3. Answer all the questions in the spaces provided.
4. You are required to spend the first 15 minutes of the 1 ¾ hours allowed for this paper reading the whole paper carefully before commencing your work.
5. Additional pages must not be inserted.

**FOR EXAMINER'S USE**

Questions	Maximum score	Candidates score
1	11	
2	16	
3	13	
<b>Total score</b>	<b>40</b>	

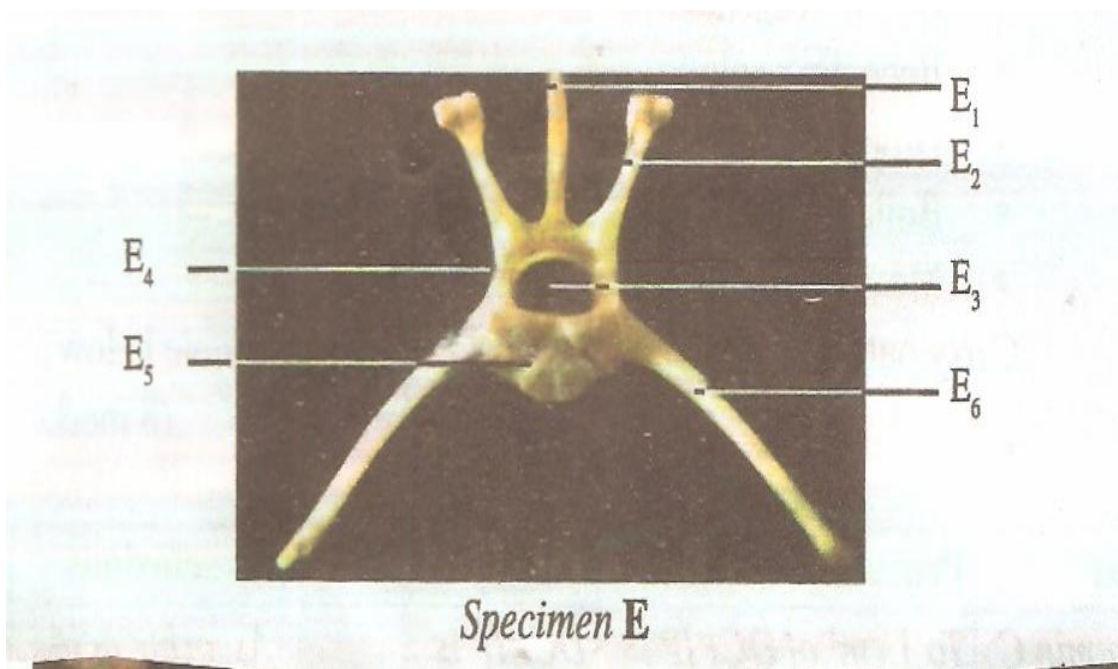
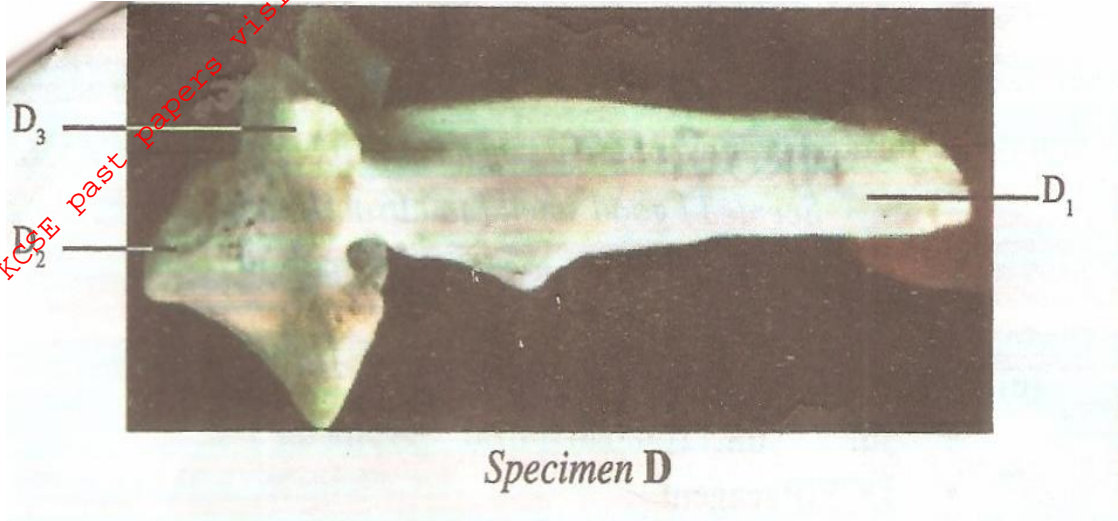
1. You are provided with solution labeled Q, Benedict's solution, DCPIP reagent, dilute sodium hydroxide and 1% copper (II) sulphate; using
- (a) 2ml in a test-tube in each case, test for the food substances in solution Q. (10mks)

Test	Procedure	Observation	Conclusion
Burette test	(1mk)	(1mk)	(1mk)
DCPIP test	(1mk)	(1mk)	(1mk)
Benedict's test	(2mk)	(1mk)	(1mk)

(b) Name the deficiency disease in humans that would result from lack of nutrients contained in solution Q (1mk)

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2. Below are two photographs of specimen D and specimen E.



Study the photographs of specimen then answer the questions that follow.

Specimen D

.....

Specimen E

.....

(a) Identify the specimen D and E (2mks)

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.....

(b) State the distinguishing features of specimen D. (3mks)

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(c) State the distinguish features of specimen E. (3mks)

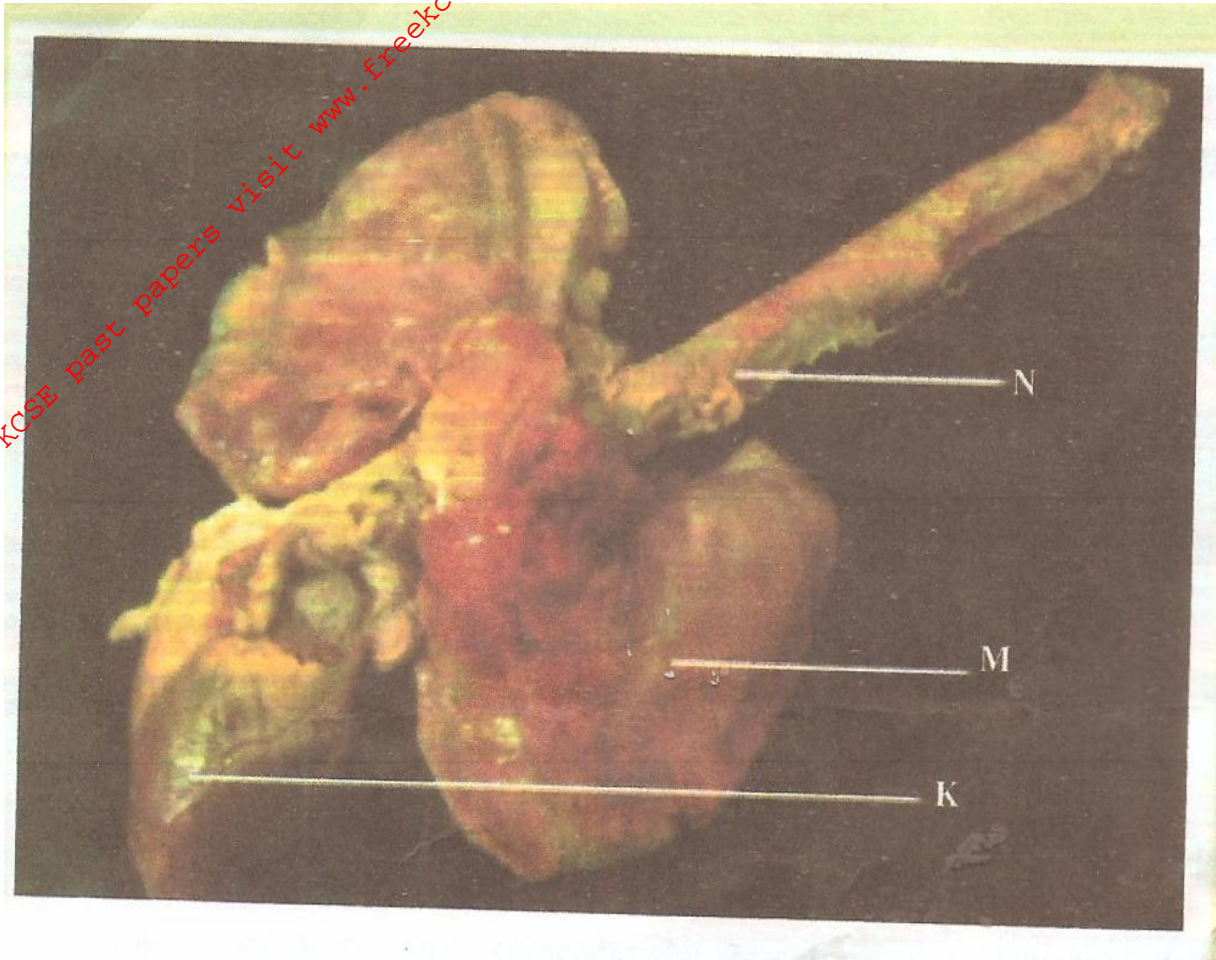
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(d) Identify each of the labeled parts and state a function of each part.

(8mks)

Part	Identity	Function
E <sub>1</sub>		
E <sub>2</sub>		
E <sub>3</sub>		
E <sub>4</sub>		

3. Below are photographs labeled B and C of organs obtained from different animals. The organs perform similar functions. Example them and answer the questions that follow



(a) Name the organs (2mks)

.....

.....

(b) State the common functions performed by the organs stated above (1mk)

.....

.....

(c) Name the parts labeled B<sub>1</sub>, B<sub>2</sub> and B<sub>3</sub> in photo graph B. (3mks)

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(d) (i) Identify the parts labeled K<sub>1</sub>, K<sub>2</sub> and K<sub>3</sub> in photograph C. (3mks)

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(ii) Using observable features, state how the parts labeled K1 and K3 you identify in (d)(i) above are adapted to their functions. (4mks)

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